RAILWAY COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1169-Vol. XXVIII.]

M. R. JAMES CROFTS, MINING AND SHAREBROKER,
No. 1, FINCH LANE, LONDON (established 14 years), TRANSACTS every
kind of RUSINESS in MINING SHARES, but, not being a Dallar, BUYS and SELLS
only on orders confided to him.
Mr. Capors recommends immediate attention on the part of buyers to the following
mines, in connection with their late and present prices. Such an opportunity as the
provent time presents for investing in CHEAP SHARES probably raver occurred,
and may be long before it will occur again:

Former price. Present.
Providence \$95 \$ 62%
West Basset 50 26 West Basset 52 18s. 19s.
West Basset 45 14%
Timeroft 5 31%
Wheal Edward 10% 5 Great Hewas 25 12
North Basset 45 14%
Vale of Towy 2 18s. 6d.
North Frances 25 12
Trelawny 40 27 North Levant 5 334
Wall of Towy 3 North Levant 5 36
East Russell 20 36 Buller 350 280
Oreat Alfred 16% 4% Porkellis 13 4%
Basset 300 155 Margery 20 7%
Basset Walls 334 11% Lady Bertha

A long list being rather bewildering than instructive, Mr. Capors offers the pre-

 Vale of Towy
 2
 18s. 6d.
 North Frances
 25
 12

 Trelawny
 40
 37
 North Levant
 5
 38
 8

 East Russell
 20
 3 k
 Buller
 550
 280

 Great Alfred
 16 k
 4 k
 Porkellis
 13
 4 k

 Baset
 300
 155
 Margery
 20
 7 k

 Drake Walls
 3 k
 1 k
 Lady Bertha
 2
 ½

 A long list being rather bewildering than instructive, Mr. Cnorrs offers the preceding as a selection, but without prejudice to many other good mines. The average reduction on these shares (reckoning one of each) is 58 per cent.

MR. JAMES LANE, No. 29, THREADNEEDLE STREET,

TOR SALE,
5 Alfred Cone, £13.
5 Bryntail, £2½.
5 Calstock Concels, £5½.
1 Mary Ann.
Also
Also
OTTOWETHS, 13s. 6d.

AT NETT SWest Basset, £23.
5 West Basset, £23.
5 Wheat Wrey, £5.
5 Wheat Wrey, £5.
20 Vale of Towy, 16s. 6d.

Also—
Also—
Bolli, and Wentw., 25%.
Cilj. and Wentw., 25%.
Baset.
Teat Baset.
Dealer in Mining Shares, 11, Royal Exchange, Lo R. PETER WATSON HAS RETURNED FROM CORNWALL. 57, THREADNEEDLE STREET, LONDON, E.C.

PETER WATSON (13 years' experience), MINING BROKER, STOCK and SHARE DEALER, will EXECUTE all ORDERS entrusted to his bare with punctuality. Commission, 2% per cent, on all transactions. Bankers: Union Bank of London.

57, Threadneedle-street, London, E.C.

M. R. LELEAN has FOR SALE the following SHARES, at market prices:—Alfred Consols, Botallack, Par Consols, Sortridge Consols, Trelyon Consols, Trewetha, West Basset, Wheal Kitty, Wheal Margaret, Wheal Wrey, Bell and Lanarth, South Caddra, Swanpool, Grenville, Ludcott, Tolvadden, Dolcoath, West Seton, North Levant, Carnyorth, Ding Dong, Great Wheal Vor, Providence, St. Ive's Consols, North Basset, East Providence, Margary, Lady Bertha, Wh. Edward. 80 South Boy, 15s.; 100 Molland, 10d.; 10 Herward United (old share), £15; 125 Wheal Tallack, 4s.

Mr. Lelean has instructions TO LET a PART of a large and handsome HOUSE, FURNISHED, situated on the banks of the Thames, six miles from the Bank, and surrounded by pleasure gardens, with an omnibus passing the door every 10 minutes. 4, Cushion-court, Old Broad-street, E.C.

O CAPITALISTS.—RELIABLE INFORMATION may be obtained on application to the undersigned, in respect of MISCELLANEOUS SECURITIES generally. BANKS, INSURANCE SHARES, LAND COMPANIES, MINES (British and Foreign), RAILWAYS, FOREIGN STOCKS, and the PUBLIC FUNDS BOUGHT and SOLD at the closest market prices, and at moderate commission. References given and required. JOHN BATTERS, Stock and Sharebroker. 26, Throgmorton-street, London, E.C.

JOSIAH HUGO HITCHINS (Consulting Mining Enginee to the Devon Great Consols) informs his friends and capitalists generally that PERSENT ARKANGEMENTS will enable him to AFFORD GREATER FACI-Y and ADVANTAGE of CONSULTATION on the eligibility and value of MIN-

his PRESENT ARRANGEMENTS will enable him to APFORD GREATER FAULITY and ADVANTAGE of CONSULTATION on the eligibility and value of MIN-ING INVESTMENTS.

Mr. J. H. Huchuss will provide correct plans and sections for valuable reference; ensure inspections and ensure reports by the best informed, most experienced, and disinterested agents, and will always, when practicable, perform such responsible duties himself.

Mr. J. H. Huchuss will visit the mines of Devon and Cornwall, the North of England, Ireland, and Wales, to collect the most trustworthy information and opinions on their general working, state, prospects, and value.

Mr. J. H. Hurchuss values his reputation as the projector, and having been for many years the object superintendent of those wonderful mines, the Devon Great Consols, and others of great importance; and presumes that the valuable experience acquired and matured by him during his well-known successful development of them will guarantoe the best advice to capitalist in their investments, both in dividend mines, and those capable of the greatest and earliest success.

Mr. J. H. Hurchuss will offer his best advice and assistance to the projectors of new undertakings of good promise and probable value, and to existing companies, in effecting the best improvements in the underground and surface departments, the machinery, means, appliances, and management generally, of their mines.

Mr. J. H. Hurchuss has no hesistation in asying that mines, judiciously selected, and effectively worked with sound practical judgment and economy, prove very profitable investments.—Textetock, Jan. 15, 1858.

M. Z. H. H. G. O. M. P. R. S. I. S. A. B. U. Y. B. R. O. F.—

R. E. GOMPERSISA
100 Sortridge, £1½.
2 Margaret, £42½.
20 Great Alfred, £4½.
100 Hargton, £3½.
100 Harriett, 5s.
20 East Russell.
20 Wheal Zion. And is a SELLER of—

10 Drake Walls, £1%.
2 East Wheal Rose.
3, Crown-court, Threadneedle-street.

20 Kelly Bray, £1%.
40 Lady Bertha, 21s.
50 North Wheal Wrey.

O MINING COMPANIES.—CAPT. JOSEPH RICHARDS
OFFERS HIMSELF AS MANAGER AND PURSER OF MINES.
Mines Dialied, and Plana and Sections furnished.
The Dialling and Mapping of Mines regularly attended to.
Mines inspected either in this country or abroad, on reasonable terms.
Vatervalo, Bridestowe, Exeter, North Devon, Jan. 15, 1889.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENGLAND, IRELAND, SCOTLAND, or WALES. Noobletion to take the management of any mine or mines in the neighbourhood of Tavistock.

R. J. T. KEVERN'S MINING, LOAN, AND DISCOUNT OFFICES, PENZANCE (Established 1845).

Bankers (from 1838)—Mesers. Batten, Carne, and Carne.

R. WILLIAM MICHELL, MINING SHAREDEALER AND COMMISSION AGENT, 3, AUSTINFRIARS, LONDON, E.C. For the unexpected amount of support W. MICHELL, has hitherto received from his friends and the public, he need hardly assure them of his grateful acknowledgments. He would now recomment those who have spare capital to lose no time in allowing him to make a judicious selection of a few mines for investment, as there is no doubt that mining shares will follow the reaction that has taken place in all other stocks and securities, and that great profits may be quickly realised.

W. MICHELL has had 25 years' practical experience in the various branches of mining; and by making periodical inspections of mines in Devon and Cornwall, is better able to make a selection of those mines most likely to give the greatest amount of profit for the smallest outlay.—Jan. 15, 1858.

H ENRY GOULD SHARP,
BRITISH AND FOREIGN STOCK AND SHAREDEALER,
32, POLITRY, LONDON, E.C.

HARES FOR SALE, at nett prices:—

SPedn-an-drea, 10s.
40 West Crinnis, £3%.

10 East Hender, 8s.
40 Buller and Berths, 5s.
30 South Bog, 17s.

10 Wh. Raiward, £7 12s.6d.
10 Wh. Edward, £7 12s.6d.
10 Wh. Edward, £7 12s.6d.
10 Wh. Edward, £7 12s.6d.
10 Wh. Raiward, 30 South Bog, 17s.

1 W near margaret, 24s.

100 Crith Levant, 23s.

100 Times Fire, 2s. 9d.

100 Unity Fire, 6d.

150 Kelly Bray, 25s.

30 Bull. and Bass. Uni., 4s.

50 Wheal Harriett, 5s.

20 Bryntail, 21 x.

21 x.

Bankers: London and Westminster Bank, Lothbury.

M. R. GEORGE BUDGE, of 4, BIRCHIN LANE, CORNHILL, 100 Gawton, 15s. 6d.

3 Wheal Margaret.

3 Wheal Margaret.

5 West Basset, 25½.

100 Sortridge Consols.

100 West Grenville, 4s. 6d.

2 Trelawny, 227½.

2 East Basset, 2507½.

10 Ciljah and Wentworth.

12 West Buller, 3600.

13 Trelawny, 235.

14 BUYER of 1 to 500 Pendeen Consols, 23; 200 Wheal Harristt, 5s. 5d.

LONDON, SATURDAY, JANUARY 16, 1858.

GEORGE MOOR BLAKES.

1. CROWN COURT, THREADNEDLE STREET.

GEORGE MOOR WILL STREET OF ANY COMMISSION:

DIVIDEND.

5 Alfred Consols, \$13\(\)

5 Alfred Consols, \$213\(\)

6 Alfred Consols, \$2

5 Alfred Consols, £13½.

5 Herodsfoot, £3.

5 North Basset, £14½.

5 North Basset, £26.

NON-DIVIDEND.

1 Balnoon Consols, £1.

2 Craddock Moor, £41.

1 Great Wheal Arthur, £3½.

5 Wh. Kitty (Lel.), £1½.

5 Wh. Trelawny, £27½.

NON-DIVIDEND.

15 Gereg, 19s. 9d.

20 Pendeen Con., £3 1s. 6d.

20 Pendeen Con., £3 1s. 6d.

20 Wheal Margare, £45½.

3 Wheal Margaret, £45½.

5 Wh. Trelawny, £27½.

5 Wh. Tr

ESSRS. J. REYNOLDS AND SON, No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, E.C., ENGLISH AND POREIGN STOCK, RALLWAY, AND MINING SHAREBROKERS, begin inform their friends and the public that the present time is a PAVOURABLE OP-PORTUNITY for INVESTMENT in many undertakings of a substantial character, paying dividends worthy the attention of the capitalist.

Every information can be obtained at their offices, which their practical experience enables them to give, not only of mines and other properties of established value, but of those that are not.

S. HERCULES CHAMBERS, OLD BROAD STREET, LONDON.

After the long depression that has existed, we feel much pleasure in noticing a better tone in the Mining Market. Several good mines that have declined in price, owing to the cause named (while their prospects have much improved), will advance very considerably during the coming three months. And we are of opinion that an investment in the following mines would prove highly remunerative. The following table will show the highest prices attained during the past year, and the present market value of the shares named:

Wheal Edward ... - ... 45, 7%

St. Day United ... - ... 19s. 20s. *Tincroft... - ... 35, 5%

East Wheal Russell. - ... 33, 3%

Wh. Kitty (St. Agn.) - ... 34, 3%

South Frances ... - ... 114, 114

Wh. Kitty (St. Agn.) - ... 34, 3%

South Frances ... - ... 250

Orake Walls ... - ... 15, 14

*Great Hewas ... - ... 34, 15

Catstock Consols ... - ... 54, 5%

It being not at all improbable that tin will advance considerably in price ere long, parties would do well to select a few good tin mines that are now selling much below their intrinsic value. Those marked thus *are of that character, offering chances of great profit with comparatively small risk.

Messrs. Powext. and Goox will be happy to afford information (to those requiring it) as to the mines which afford the greatest chances of success; and will transact any business entrusted to them at net prices, or on commission, at 25% per cent.

it) as to the mines which afford the greatest chances of success; and will transact any business entrusted to them at nett prices, or on commission, at 2½ per cent.

TAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:—

10 Boiling Well, 28s. 6d.

25 Cath. and Jane, 6s. 9d.

26 Cath. and Jane, 6s. 9d.

26 Cath. and Jane, 6s. 9d.

27 Cath. Brwyno, 241½.

28 Cath. and Jane, 6s. 9d.

29 Chancellorsville, 2s. 3d.

20 Chancellorsville, 2s. 3d.

20 Corp. Treusla, 24½.

4 East Trefusis, 24½.

5 East Trefusis, 24½.

5 Great Alfred, 2s 8s. 9d.

15 Great Alfred, 2s 8s. 9d.

15 Great Alfred, 2s 8s. 9d.

29 Great Hewas, 16s. 9d.

480 Gwydyr.

5 Hingston Down.

20 Growthe Monse, 2s 9d.

20 Great Hewas, 16s. 9d.

480 Gwydyr.

5 Hingston Down.

20 Holmbush, 26s. 9d.

21 South Bog (Limited), 5 West Basset, 251½.

22 Spelm. Caradon, 2530.

23 West Sharp for, 251.

24 Spelm. Caradon, 2530.

25 West Basset £12, now £25 los.; Herodsfoot £8½, now £4; Margaret £42, now £4; Caradon, 254.

25 Herodsfoot £8½, now £4; Margaret £42, now £46; Drake Walle 26a, now 35s.

West Basset £12, now £25 los.; Herodsfoot £8½, now £4; Margaret £42, now £4; Margaret £45, now £4; Margaret £42, now £4; Margaret £43, now £4; Margaret £43

ESSRS. VIVIAN AND REYNOLDS, MINE AGENTS.

MESSRS. VIVIAN AND REYNOLDS, MINE AGENTS.

OR, OLD BROAD STREET, LONDON, E.C.

Vivian as an underground agent and manager of mines in Cornwall, and in various foreign countries, to afford informatian on most important mining districts; and to inspect and report on mines. They are also enabled, by the several years' acquaintance of Mr. J. Leynolds, jun., with the transaction of the London share market, at obtain every advantage for those who may want either to buy or sell mining or any other description of stock.

Messrs, Vivian and Reynolds have daily information from the principal seats of mining, which is at the service of those who may honour them with their confidence.

Mining stock has been depreciated in market value by the late severe pressure on the money market, and the rapid decline in the price of metals; but money has again become plentiful, as shown by the great reduction which has already taken place in the rate of discount in the Bank of Regland, and the still further reduction contemplated. And the downward tendency in the price of metals has not only been arrested, but, as the drop was the result entirely of the financial pressure, it is anticipated, as a fair inference, that mining produce will soon again command a higher value. The precent period is, therefore, a particularly favorable one for investing in mines, as there are several causes tending to advance the value of mining property, and there seems at present every probability that the commencement of the year 1858 is the beginning of a prosperous mining era, in which those capitalists who invest in sound mining undertakings, selected by agents that are practically acquainted with the localities, and with those features in mines which constitute the elements of success, will meet with rich prizes.

MR. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON.
BUSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other SCURITIES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

JAMES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, AND ACCOUNTANT, REDRUTH, CORNWALL. J. H. Cock embraces the present opportunity of thanking his friends and the public generally for the amount of confidence and support he has received from them during the past year, and hopes by continued energy, promptness, and strict attention to all business entrusted to his care, to merit a continuance of the same. Mines inspected and reported on, and every information furnish

R. WILLIAM BIRDSEY, of No. 4, ST. MICHAEL'S ALLEY, CORNHILL, having had 30 years' experience as a MINING BROKER, can progressively, which he considers during the PRESERT YEAR will well repay the outlay. The depression which has existed during the last cight months is now happily over, and any purchases to be made, the sooner done the better for profitable results. Mr. Bransey will be happy to give every information, on application being made to the above address.

Mr. Birdsky is a BUYER of Pendeen Consols, any number, at market price. MANGANESE.—SOCIÉTÉ GÉNÉRALE DE MANGANÈSE, EHRENBREITSTEIN. EHRENBREITSTEIN.
AGENT-H. SCHOLEFIELD, 6, Sandhill, Newcastle-on-Tyne.

ACENT—H. SCHOLEFFELD, 6, Sandhill, Newastle-on-Type.

MESSRS. A. J. HUTCHINGS AND CO.'S
PATENT IMPROVED WIRE ROPE.

LORDS OF THE ADMIRALTY, THE FRENCH AND TURKISH GOVERNMENTS,
And the principal Colliery Proprietors throughout the kingdom.
MANUFACTORY, MILL WALL, POPLAR, LONDON.

ROUND and FLAT ROPES of every description, satiable for mining operations
or other purposes, GALVANISED or UNGALVANISED, MANUFACTURED upon
the newest and most improved machinery, ensuring greater plability, durability, and
strength; and is admitted by the principal coal proprietors to be far superior to any
other kind of wire rope. The superiority of these ropes over hempen ones, in point
of strength, lightness, durability, and cost, is admitted by all who have tried them.

GUIDE ROPES, SIGNAL CORD, LIGHTNING CONDUCTORS, &c.

STAMPED ... SIMPENCE. UNSTAMPED .. FIVEPENCE.

M f. JOHN R. PIKE, MINING AND SHAREBROKER, 3, PINNER'S COURT, OLD BROAD STREET, LONDON.

WILLIAM MARLBOROUGH, MINING JAGENT,
(For many years with Mr. T. P. Thomas),
57, OLD BROAD STREET, LONDON.

MR. WILLIAM MOORE, STOCK AND SHAREDEALER,
11, HERCULES CHAMBERS, OLD BROAD STREET.
N.B. Business transacted in every description of stock and shares.

MR. W. H. BRUMBY, STOCK AND SHAREBROKER, 1, QUIET STREET, BATH, is in a position to give the BEST ADVICE in the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

JOHN GLEDHILL AND CO., MINE AGENTS, SHARE BROKERS, AND GENERAL DEALERS.

BROKERS, AND GENERAL DEALERS.

MINING RECORDS OPPICE, 12, SOUTH PARADE, LEEDS.

Mines well selected are the best investments, paying from 15 to 30 per cent. on the outlay. They have to OFFER SHARES in most of the DIVIDEND and PROGRESSIVE MINES, and are ready to give every information relative to all mining matters.—Dated Jan. 15, 1858.

MR. FRANCIS R. BILL, CONTRACTORS' AND GENERAL ACCOUNTANT AND AUDITOR.

23, BUCKLERSBURY, LONDON, E.C.

CONTRACTOR for the SUPPLY of RAILWAY MATERIALS of every description. Estimates prepared. Agencies undertaken. ACCOUNTANTSHIP BUSINESS of all kinds performed under contract, whereby a considerable saving on the usual cost may be effected.

OSI MAY BE EMERCED.

MR. H. HUXHAM, COLLIERY VIEWER AND MINING RINGINEER, UNDERTAKES the SURVEYING, VALUING, OF AGENCY OF MINERAL PROPERTIES, the WINNING, WORKING, OF VIEWING OF COLLIERIES, &c., on moderate terms; and begs to assure those who may favour him with their commands that all business entrusted to his charge shall receive prompt attention, and be executed with the utmost fidelity and care. References and testimonials of the highest character.

Mr. H. HUXHAM has room for TWO ADDITIONAL ARTICLED PUPILS, who would have an excellent opportunity of attaining a thorough knowledge of practical and theoretical mining engineering.—Cwm Rhondda, Pont-y-pridd.

MR. PALMER, NORTH DERBYSHIRE MINERAL RECORD OFFICE, MARKET HALL BUILDINGS, CHESTERFIELD, DEALER IN ALL DESCRIPTIONS OF MINING SHARES AND STOCKS. Several Derbyshire mines now offer great advantages to investors.

C ROLOGY.—KING'S COLLEGE, LONDON.—
LOGY, to COMMENCE on WEDNESDAY MORNING, the 27th of January, at Nine
o'clock, and to be continued on each succeeding Friday and Wednesday, at the same
hour.

OLD MINING COMPANIES.—SHAREHOLDERS in the different CALFORNIAN and AUSTRALIAN GOLD MINING COMPANIES are requested to CALL on Mr. F. SQUIRE, 74, King William-street, City, that he may submit to them a plan by which the shares in such companies, which are now valueless, will be again marketable.

74, King William-street, City, Dec. 24, 1857.

DARTNERSHIP.—A GENTLEMAN with a most valuable conmachinery agent, for home and exportation, is desirous of MEETING with a PART-hield, a man of inducence, intelligent, energetic, and industrious habits, to enable WEL, a man of inducence, intelligent, energetic, and industrious habits, to enable or extend his uphere of operations, and establish a branch in London.—Apply, "P. S.," Mining Journal office, 20, Pitct-street, London.

DARTNER WANTED, to JOIN the ADVERTISER in a going COLLIERY and IRONWORK.—Apply, with real name and address, to P. R.," Mining Journal office, 26, Fleet-street, London.

TO MINE OWNERS.—A COLLIERY MANAGER, of extensive experience in both coal and ironstone mines, is NOW OPEN to an ENGAGE-MENT. Can survey and map with facility, and produce the highest character and references.—Address, "S. E.," Mrs. Adams, stationer, Tunstall, Staffordshire.

O COAL AND IRONSTONE MASTERS.—WANTED, by the ADVERTISER, a SITUATION as RESIDENT VIEWER and COLLIERY IANAGER. References and testimonials of the highest character can be given.—ddress, "E. W.," Star of Gwent office, Cardiff.

TO IRONMASTERS.—The ADVERTISER has been MANAGING FORGE and MILLS for the last 20 years, and will shortly be OPEN to a FRESH ENGAGEMENT. Unexceptionable references.—Address, W. B. POPKIN, chemist, Maesteg, Bridgend, Glamorganshire.

WANTED, a SITUATION as ENGINEER. The advertiser has had the engineering management of some extensive collieries in the North of England and in South Wales, and has a practical knowledge of engine building, railway, dock, and canal works. First-rate references.—Address, "M. P.," Post-office, Aberdare, Glamorganshire.

AND OR MINE AGENT AND SURVEYOR.—A GENTLEMAN who has ten years' experience as MANAGING LAND and MINE AGENT ASURVEYOR, and can give first class references, is desirous of making a new aragement.—Address, "H.," Messrs. Pottle and Son, 14, Royal Exchange, London. ENGINES AND WINDING GEAR ON HIRE, with OPTION of PURCHASE, from 4 to 25-horse power.—T. CRESSWELL, 92, Blackfriars-road.

WANTED, a GOOD SECOND-HAND PUMPING ENGINE.
36 to 45 in. cylinder.—Apply to W. H. M. Blews, Esq., Birmingham.

TO BE SOLD, CHEAP, ONE 30 in. PUMPING ENGINE and BOILER, complete, in good condition (near Liskeard); ONE 36 in. ROTARY ENGINE, with FLY. WHEEL and ONE BOILER (near Plymouth).—For particulars, apply to Mr. Hr. Wills, 17½, George-street, Plymouth.

TO ENGINEERS, MACHINE MAKERS, MILLWRIGHTS, &c.

—FOR SALE, ONE SELF-ACTING SLIDE LATHE, bed 15 ft. long, headtocks 12 in. centres, self-acting surface motion, top driving apparatus, screw keys,
ke., complete.—Apply to BERNAMIN WINTER, West-street, Leeds.

STEAM-ENGINES FOR SALE.—8-horse power HORIZONTAL, 9½ in. cylinder, and 16 in. stroke, £50; 5-horse power VERTICAL, 8 in. cylinder, and 12½ in. stroke, £50. The above are quite new, and of the very best work-manship.—Apply to Hann's Huomes, engineer and hydraulic press manufacturer, Falcon Works, Loughborough.

HYDRAULIC PRESSES FOR SALE.—An 8 in., fitted with suitable brass pumps, I in. and 2 in. diameter, and capable of giving a pressure of 1600 tons, price £55; a 10 in., fitted with I in. and 2½ in. brass pumps, and capable of giving a pressure of 2000 tons, price £110. The above are in excellent condition, and, having long lifts, are particularly suitable for packing and pressing goods; they will be warranted for nine months.—Apply to Henry Huoses, Falcon Works, Loughborough.

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft) SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c., and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

NICKEL AND COBALT REFINING, AND GERMAN SILVER
STEPHEN BARKER begs to inform the Trade that he has the following articles
for selection.

or sale:—
REPINED METALLIC NICKEL. | OXIDE OF COBALT. [WIRE, &c. REPINED METALLIC BISMUTH. | GERMAN SILVER—IN INGOTS, SHEET,

NICKEL AND COBALT ORES PURCHASED.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests to which this iron has been submitted by engineers and railway companies during several years, its superior quality has been generally acknowledged, and can be un-

EAST WHEAL RUSSELL.

ALFRED CONSOLS.

PEGIAL REPORTS on the above MINES, by eminent practical authorities, will appear in Mr. MURCHISON'S REVIEW, NOW READY, price Shilling, at 117, Bishopagate-street Within, London.

Original Correspondence.

REDUCTION OF MANGANESE.

Sin, —I wish to offer a remark or two on your article upon the influence of manganese on iron and steel, to direct attention to some leading points on this very indeterminate question. Of all the patent processes to which you refer, the results of Mr. Reynolds's process are the best known. He perseveringly attempted to produce from the blast-furnace an alloy of iron and manganese, but he was unable to obtain in the pig-iron the result he desired. His experiments seem to have been suggested by some foreign analyses, which represented some of the best Swedish marks of steel as containing as much as S per cent. of alloyed manganese. Subsequent investigation threw much doubt on the correctness of this opinion, and it has since been decided, as you have lately remarked, in consequence of the very best foreign steel being found to contain not a trace of manganese that it is impossible to assign the presence of that metal as essential in improving its quality. There, perhaps, was not a year, subsequent to Mr. Beynolds's patent, in which there was not some attempt made to use manganese as an improving agent in the manufacture of steel. All these were conducted on the impression that the improvement must be effected by alloying the manganese and iron. My father made a series of experiments with his usual care and accuracy, by reducing in an assay crucible mixtures of oxide of manganese and iron ore to produce such an alloy, but he could not accomplish it. The metal of manganese and never been obtained in any permanent available form. It appears from your last Journal that M. Brunner has found a means of producing the metal in a singularly permanent condition, but, as you remark, it differs much from previous descriptions, and requires to be further investigated.

Mr. Heath, in the course of experiments upon the action of manganese upon iron, undertaken on the popular impression that it was an improven, and the existence of which impression is a proof that some foundation must have existed for it, had his attention called to the development of manganese in a permanent metallic state, in the form of a carburet, which had been obtained precariously, and in very points on this very indeterminate question. Of all the patent processes to rhich you refer, the results of Mr. Reynolds's process are the best known.

process of manufacturing carburet of manganese, it is possible he might have avoided the most discreditable litigation which ever threw contempt and edium upon our laws, and his subsequent death, under the judicial blunders of a minority of the judges.

The affinity of manganese for exygen, and the affinity of the earths for exide of manganese, were the Scylla and Charybdes through which he had to steer, and he succeeded by the simplest means. By mixing the exide of manganese into small compact blocks with coal tar, he shielded the metal from the air by a carbonaceous envelope, which at the same time preserved the manganese from contact with the earthy matters of the crucible. This simple protection, the turning point of Heath's invention gave time for the exide to be revived, and combine with sufficient carbon to preserve it, before the destructive agencies could come into play, and thus was carburet of manganese first produced in quantity with certainty. The infringement of his own patent, first originated by himself, was, as is well known, supplying the cakes of mixed exide and coal tar to his agent at Sheffield, instead of the previously manifactured carburet. The requisite quantity of elements were found to metallise, and produce the same effect as the original carburet during the time the steel was melting, thus saving, at a great economy, a separate operation. This variation was finally determined not to belong to Mr. Heath nor to his patent—a decision which will be for ever a standing monument of disgrace to the intelligence and rectitude of perception of that minority of judicial functionaries which coincided in it.

But the result of Mr. Heath's researches did not by any means prove the theory under which he commenced on the contrary analyses did

But the result of Mr. Heath's researches did not by any means provi But the result of Mr. Heath's researches did not by any means prove the theory under which he commenced; on the contrary, analyses did not detect a trace of manganese in his improved steel. He in consequence regarded the action of the manganese as simply detersive, removing by its powerful affinities certain oxides, or other substances injurious to the steel. But what these are, and the whole subject indeed, as you remark, its powerful affinities certain oxides, or other substances injurious to the steel. But what these are, and the whole subject indeed, as you remark, is still beset by uncertainties, which may require a long course of honest, truthful investigation before much definite knowledge can be added to our store of useful information on the composition of so choice and costly a metal as cast-steel. There are very competent opinions that even silicon, in some proportion, gives more body to the steel, and it is certain some of the best steels are derived from highly silicated ores. David Musher.

Jan. 12.

[ADVERTISEMENT.]

CAST-STEEL PATENTEES. SIR, -That there may be no mistake as regards the bridge rail of east-steel exhibited at the Ebbw Vale Iron Company's offices in London last spring, I beg leave to state that it was manufactured from an ingot of steel which I made at the steel works here, at the Ebbw Vale Iron Company's offices in London last spring, I beg leave to state that it was manufactured from an ingot of steel which I made at the steel works here, under my patent process No. 9, and that the Ebbw Vale Iron Company were perfectly aware of this fact; and they knew equally well that the Uchatius process was in no way concerned in the production of the cast-steel ingot which I furnished them with, to be rolled into this bridge rail. If any parties cognizant of these facts have attempted to pass this rail upon the public as a cast-steel rail produced under the Uchatius patent, I can only say that these parties have shamelessly lent themselves to a double fraud,—first, in depriving me of the merit due to my process under which I manufactured this steel; and, secondly, in bambooxing the public, by leading them to believe that the rail thus produced by my No. 9 process was manufactured under the Uchatius patent. From letters now in my possession, written by Mr. Thos. Brown, the managing partner of the Ebbw Vale Iron Company, and whose acts and deeds I may presume his partners sanction, I know beyond dispute that this rail, and no other, is the rail which was rolled from my ingot of steel, made under my No. 9 process. This No. 9 process is one of the number which your corresponders, "M. D.," states "were deemed of too little importance to justify the expenditure of hard cash to secure them." In other words, it was one of my valuable and practical processes, which Mr. Thos. Brown faithfully engaged should be patented, but which, between him and his faithful servants, likton, Son, and Anton, was kept back, stifled, and finally lost, by the shameful neglect of either the agents or their principal, or of both. When taxed with their breach of faith, these agents, in the most edifying manner, threw the blame upon their principal, attributing to him verbal instructions which gave the lie direct to his and other patents.

After this No. 9 process was thus suppressed, it may be supposed that Mr. Brown the

patent process No. 9 was deemed of too little importance to justify the expenditure of hard cash to secure it, the bridge rail manufactured from an ingot of steel produced by that process was, nevertheless, deemed of sufficient importance to be paraded in public as the offspring of the Uchatitus process; and the sensitive honour of the Atomics, which revolted at the idea of accepting my challenge to a trial of skill, as degrading to the eause of science, was, nevertheless, sufficiently accommodating to allow them to wink at the bolstering up of their credit, inflated by the exhibition of this rail manufactured under my process. If the parties who are concerned in this matter have any regard for their characters as men of honour, they will at once come forward, and disclaim where they can, and explain where they cannot disclaim, the share they have had in these transactions. As any deception on the part of Sir C. Harkort is "impossible," he is bound, if he sees these remarks, for his own sake to tractise deception. Mr. Bohinson will, of course, come forward and clear himself, and that he may have no excuest, I have directed his attention to my brother's letter. Dering the autumn of 1856 I was employed by Mr. Thomas Brown, as acting for himself and partners, to endeavour to perfect the Martien or Bessemer process. I succeeded, and my patent No. 4 was in consequence taken out. Other processes were laid before the Ebbw Vaie Iron Company, and amongst them the No. 9 process, by which this cast-steel bridge rail was produced, was taken up by Mr. Brown, and I hold his written pindge that it should be patented fitton, Son, and Anton to secure the patents for England and the Continent. I finished, in ample time for filling, both the provisional sing of the complete specification, I at last succeeded in wringing out of the faithful agents the information that Mr. Brown had, months before, told Mr. Howard, who had told them that they were to take no further steps in the matter of my patents. This Mr. Howard denied. But it

• Mr. Reynolds, of Ketley, was one of the earliest licensess of Cort's patent welding furnace and rolls. In 1836, there was an autograph letter to Henry Cort extant, seed 1785, containing a pen-and-ink aketch of the rolls he was creating at Ketley.

Howard, a partner in the firm of Kreeft and Co., the agests for the Uchatius patent, had been constituted agent for my patents; or, to use the language of Blkon, Sea, and Anton, "had been entrusted with the charge of my freign patents;" and shaff. Lenz had favoured Mr. Brown with his opinion upon the merits of this very No. 50 process, thus doorsed to be attified and suppressed. Moreover, the Ebbw Vale Inno Campany had purchased the Uchatius patent for 16,000%, and my process would, if permitted to see the light, have completely set aside that frocess.

Under these circumstances, "somebody" seems to have conceived the following ingenious and right homourable course of proceeding. My patent processes, which supersested the Uchatius method, were suppressed, as of too little importance to justify the expenditure of hard cash to secure them; and this stroke of policy not only on abled the Ebbw Vale Company at once and for ever to deprive me of all prespect of montument from this patent, which thus became void; but the process itself was dismissed with the stigms of not being deemed worth securing by this great manufacturing firm—1. c., not worth 451. The 10,000%, purchase also was no longer igonardised by the rivalry of my superior process. Perhaps a little honour was lost, mais "emported, capitalists can afford it. The rail, however, the offspring of the rejected process, was a great fact, and as such was enisted into the atomic service, and foisted upon an admiring public as "a rail of Uchatius steels," a "east-steel bridge rail," a bridge of fame over which the Atomics aneaked to gather the laurels which belonged to my-self ahone. The Totichum heralici quarterings must be revised, and we must have a bridge rail subbiasqued on the haronial shield, with a regiment of Chevaliers d'industeig aneakapi, sulkanf over it, and with the further device of a siy in heprower thereon.

The veil-known position and reputation of the Ebbw Vale Iron Company places.

bridge rail sublaganed on the baronial sheld, with a regiment of curvaines and dustiff sheakant, suikanf over it, and with the further device of a jay in betrawed plumes, bearing in its beak a scroll with the "You cheat us" process engraven thereon.

The well-known position and reputation of the Ebbw Vale Iron Company places that firm above all the assailings of disaffected parties, and of course they know nothing of these strange atomic doings: they have no time, no leisure, for sublanary rifles. In his magisterial expectly alone, and placed between the cross fire of Mr. Mackworth and the Secretary of State, Brown is too much immersed in duty to be answerable for any pranks played by "somebody" with my patents and processes. Mr. Darby is lost in thought, and Mr. Robinson does the honours of the rail to Sir C, Harkort, to my brother, and to the brilliant galaxy of wealth and talent which through the purificus of Laurence Pountaey generally, and the Ebbw Vale Company office specially. He does more—he explains the nature of the process which gave high the total sim his opinion of the Brendon Hill deposit, which furnished the element of manufacture. Of course to have mentioned my name would have spoiled this pretty little game of hide and seek, or, more properly, blindman's buff, in which it is necessary that one person at least shall aways be hoodwinked.

What interest could attach to a rail made by an obscure mortal in the "Slion Danica," who knows as little of the world as the world seems to have known about this wonderful rail. But with a baron at the back of it, and a despotic moment hat the bank of the baron, and with the military Least figuring, birch besom in hand, over the granulating wash-tub, the matter wore a different aspect. It is grievous to have to demolish all these atomic enchantments; but the fact is, I sent my hammerman down to Ebbw Vale, with the veritable ingot, and which he there saw rolled into the veritable bridge rail, now claimed by the enthusiatic votaries of science, enlisted under the

[ADVERTISEMENT.]

THE IRON AND STEEL QUESTION.

SIR,—As I am not to be permitted to reply to your editorial remarks as a correspondent, I claim the insertion of the following reply as an advertisement. I am ready, willing, and able to make the good steel from coke iron, in the presence of any roady, willing, and able to make the good steel from coke iron, in the presence of any trustworthy chemist, and who may analyse the raw materials and the steel products, and have them tested on the spot by one of the ablest workmen in England. Send him here, and he will find I can keep my word; only, I stipulate that he shall not be a paid agent of the Ebbw Vale Iron Company. Those who lent themselves to the passing off of my cast-steel rail as a rail of "Uchatius steel" are not to be trusted twice. Dispute, if you please, the fact of my tough cast-steel containing suiphur and phosphorus; in doing so, you dispute not my word, but the word of Mr. S. H. Slackwell, who tested this tongh cast-steel, and that of Mr. Henry, who analysed it at his request. In my father's earlier days, when he was a subordinate st a Scotch iron-works, his assay furnace was demolished by order of the enlightened manager, because my father had presumed to affirm that a substance so light as coke could unite with one so heavy as iron. The same intolerant spirit is rife at this day, and yow cultorial remarks are redolent of it.

Chemistry has ever been considered as a science or exactitude, and in which nothing is to be taken for granted until it has been proved; and yet I am said to have placed myself beyond the pale of tolerance, because I have refused my assent to the doctrine that pig-iron is "earburet of iron." Though no chemist, nor even able to spell with the chemical alphabet, I shall be glad, Mr. Editor, to find that you are able to answer what follows. You tell me that chemists are scensomed to call the compound of iron and carbon carboret of iron, upon the same principle that iron combined with sulphur is called sulphuret of iron. Granting, then, that carburet of iron is formed on this principle, and really exists, it will, according to the laws of chemistry, assume one or more of the following forms:

Biearburet of iron—



Now, able reasoner as you are upon assumptions, not facts, can you tell me which of these carburets of iron is pig-iron? Does pig-iron contain 9-85, 17-93, 24-69, or 30-42 per cent. of carbon? I believe not. Is, then, the forlorn hope, the ternacarburer of iron, pig-iron? Let us examine. I subjoin the analyses of 20 varieties of British

ke pig-iron :- Carbon per cent.	Carbon per cent
Aberdare white pig 2-42	Scotch pig. Eglinton 2.62
Gadley's white plg 2'19	Ditto, Glengarnoek 2.50
Gadley's grey pig 2.80	Coalbrook Dale hot blast 2.30
Gadley's best pig 3:47	Darby Castle foundry 2.67
Cinderford No. 3 3-70	Darby Castle forge 2-31
Victoria white pig 1.21	Darby Castle white 1'65
Ditto, improved quality 2.41	Russell's Hall 3:07
Ebbw Vale white pig 1.89	Bilston 2.05
Cwmbran common ditto 1.45	Heyford 1.55
Cwmbran Mine pig 2-37	Wellingborough 1.70
Average	2.3165 per cent.

" well known" to chemists as carbure	of manganese I	
Bicarburet of manganese 69-38 Carbon 30-68		1·91 8·09
Sesquicarburet of manganese— Manganese		90-05 9-95
Tetracarburet of manganese	- Manganese 94.77	

Mr. Durby, to all of whom I wrote respecting this "false position," have had the honour, the manliness, or the gentlemanly feeling, to free me from my "false position."

You eriticise my recent manganese patient, and inform the public that metallic manganese cannot be reduced by means of fluor spar and sods, and in your very next number you insert M. Brunner's plan of reducing it by this very method. Your correspondents banter me abost metallic manganese, as I it were some evanescent substance, some vanishing fraction of an idea, yet Mr. Brunner index it a real tamplot metal, sike cast-from. "S. C." sands a lying to your office, and anya he can make it deaply; and a friend of mine, an eminent chemist, the first man of his year at Cambridge as medallist, tells me he can make it, and will send me some in pigs. You would make the arts subservient to chemical analysis, and condemn my steel because it does not come up to the standard by which literary mes judge of such matters. It may cut teast-fron, it may been a hard rock, it may roll ight fractable boiler and timplates; but this is not enough—it contains phosphorus and suiphin; and must, therefore, be discarded. I shall make but to no more observation. You say that the manganese in "spicel cisen" is in the state of "carburet of manganese." Prove this bold assertion, the hardinood of which cellipses even mine, and your point is gained. Alloy, then, east-iron and copper, and prove that the copper exists therein as carburet of copper. You will find the latter the caser task.

I have made known the observations and experiments which have proved and established the krank and soundness of my processes, and not all your criticism, nor all the crushing influence for evil of the unscruppilous men whose policy it is to blight in yitation, cease to carp at what you will not understand.

WILL SMOKE PREVENTION SAVE FUEL.

WILL SMOKE PREVENTION SAVE FUEL ?

WILL SMOKE PREVENTION SAVE FUEL?

Siz,—I am frequently asked—Will smoke prevention save fuel? and as often my reply is—Certainly, if the appliances are based on scientific principles, and are correctly adapted to the required process of combustion; but that the proper means must naturally vary with local circumstances, or peculiarity of furnace-work. That such proper means will increase the average pressure of steam for marine and other purposes—the true equivalent for sconomy of fuel, where the regular consumption of coal cannot be ascertained—I have, with your permission, repeatedly shown in your Journal; and occasionally I have offered evidence of the fact that the expenditure of fuel has been reduced in cases wherein accurate comparison could be instirated. I have now, however, opportunity of proving the affirmative to the question in a manner that ought to satisfy the most sceptical.

This will be convincingly apparent to your readers, if you will obligingly give insertion to what I now write, with the appended certificate. I have only to add that Mr. Bowman, the very able engineer to the Victoria Docks, ob'ains a daily record of the number of strokes made by the engines, taken from accurate registering counters affixed to them, and is also as correctly informed of the quan'tity of coal supplied from time to time to the boiler-room. The amount of saving, thy refore, has been computed upon the duty absolutely performed by the engines, and the fuel command in giving them steam, during three months before and three months, after the fitting of my requisiting air-doors to the furnaces. And further, that 'until I met the Manager and Engineer at the docks, on Tuesday last, I was unconsections of the important economy of coal that had been so satisfactorily ascertained, a 'though I was previously aware of the suppression of smoke, and of the greater facility that existed in getting up and keeping steam.—Fish-street-hill, Jan. 15.

Fictoria (London) Docks, Jan. 12.—Six: In reply to your application as to the effi-

seeping steam.—Fan-airect-hit, Jun. 15.—Six: In re-ply to your application as to the effi-ciency of your patent regulating air-doors, for scales prevention, I beg to say we have found them answer the purpose admirably. A ided to which, we find from their ap-plication a saving of 15 per cent. in fuel.—C. Cappus, Manager.

MINERAL VEINS IN THE PRIMARY CLAY-SLATE.

MINERAL VEINS IN THE PRIMARY CLAY-SLATE.

Bra,—The opinion of your correspondent, in the Journal of Dec. 26, upon this subject is certainly rational, and will, no doubt, be borne out by most practical miners, whilst few would fall in with the doctrine that clay-slate or killas is a secondary formation. It has been proved to hold down to a depth of 400 fms., with but little if any change in appearance or hardness from 20 fms. downward. Geologists contend that these rocks were once held in solution, and have settled in the way now found, consequently the formation is called a stratum, instead of a rock. Perhaps I may interrogate the geologists a little respecting some particular changes in the rock that I witnessed in a shaft sunk 60 fms. from surface, near the foot of the Caradon granite hill. We commoneed an engine-shaft, and passed through, first a soft white killas, such as I have seen rich copper lodes traversing in other mines, at a very deep level; then a hard red rock, very troublesome to excavate. Here (being about 20 fms. deep) we met with a light bine killas, which continued to nearly 50 fathoms below surface. We then experienced two changes, almost together; for I fms. there was a soft white killas, some of which could be taken up with the shovel alone, and we then came upon what in this country we call the ironstone, which is as hard as fint. Portunately, however, a lode made its appearance, crossing the shaft lengthwise, and, although 3 fms. of this, and met with white killas; 3 fms. of this brought us upon a range of granite, which lasted 2 fms., and we were then again for 2 fms. in oft killas, who of granite, which lasted 2 fms., and we were then again for 2 fms. in oft killas, who of granite, which lasted 2 fms., and we were then again for 2 fms. in oft killas, who of granite, which lasted 2 fms., and we were then again for 2 fms. in oft killas, who of granite, which lasted 2 fms., and we were then again for 2 fms. in oft killas with a commental promoned to the control of the control of the contr

MANAGEMENT OF SLATE QUARRIES.

Siz.—To a practical quarryman some portion of Mr. Richard Thomas's letter, pub-lished in your last Journal, would appear to be somewhat derogatory to the character lished in your last Journal, would appear to be somewhat derogatory to the character of that valuable class of gentiemen called "quarry agents," who are generally, in reality, experienced and skiful managers. I am quite a ware that uney stable persons have occasionally been employed as quarry managers, but they form the exception—not the rule. If Mr. Thomas be understood to say that such per sons as "watch makers" and "shoemakers" be employed by "speculative individuals" to carry out their own views, there may be much trath in his statement; and the absurd test to which they were subjected might have been appropriate enough for such barefaced impadence; though, had I to ascertain their qualification, I vould have exacted a more certain criterion of their skill. I feel confident that If any of the honourable quarry agents in North Wales had been required to split a block and make a slate, as the ultimatum of their skill and understanding, they would have considered it both an offence to their requirements, and a certain test of their employer's ignorance. In well regulated slate quarries there are a class of men called frimmers, or slate makers, and these do nothing else, and consequently know little or nothing of the most important and practical development of the quarries, just as you may find ore-dressers, on many a well-regulated mine, who may, perhaps, never have holed a single foot into the original bed from which they throw their daxning silver cubes into the both. Neither of these I submit would be a proper person to manage the works. I am quite prepared to admit that a person who has regularly passed through the varous departments, from a rubble-trimmer to a quarry agent, has had an opportunity of learning his duties, qualify so with the buddle-boy, who may have worked his way to the homourable position of mine captain; and these gentlemen ought to be, and genorally are, selected to manage the working department of Welah quarries. It is, however, to be deplored that, by reason of early and continual app of that valuable class of gentlemen called "quarry agents," who are 'generally, in

Dolgelly, Jan. 12.

LEGITIMATE MINING.

Sin,—A great deal has been said, pro and con, on this subject. Now, as I know something about the construction of a certain company (mind, I have no interest whatever in the matter), I appeal to even "Pides" if this mine come not within the

whatever in the matter), I appeal to even "Fides" if this mine come not within the category of legitimate mines. I do so the more readily, as I perceive there still lingor a a depraved pandering to the public taste, when pages usually devoted to works of higher merit are devoted to ridicule, caricature, and debasing the Cornish miner, because a few people have been deceived by parties pretending to that title. The mine to which I allude was a part of the late W—I United Mines, which started under unusually promising auspices, some year or two since. By busishing men if m their counsel who understood the business, and by trusting to men who did not, the mine got—where all mines must under similar circumstances—irst disrepute and difficulty. Distrust was engendered, and a sale of effects took pi ace as sequitor. So satisfied, however, were parties resident in the neighbourhood of the genuineness and worth of the undertaking, that ten of them stocked acapit al of 50% cach to recommence the working of this part of the mine, this sum being so finient to creet water-power equal to pump out the mine, and expose the lode thus prematurely abandoned, said to be worth 12% per fm. The late e-mpany would neither near reason roled at facts, or this could never have been abandoned. However, the fact will soon be tested. The captain will certainly be exposed in your pages, and be a hunned by his friends, if such be not the case as he has stated, and which a few mc mtha at farthest will prove.

(arthest will prove.

The 500l, subscribed is to test the mine, when, if it be equal to anticipati one, the company will be thrown open to the public, in 3000 shares, at 1l, each; the money · Equal to repayment of the entire cost of doors and patent right in four i nonth

wat ach ur-coal ur-fuel ave

for-le if end and, in-

eins
opiing
een
lode
&c.,
arge
here
des,
up f
lode
s by
ore
by a

nch lode have ther ind; even odes and king ame

ub-

cter, in sons on — tch - cout to ted a able et to to ted de a sooth In ers, im-foot bin... uite all we will be all we will be all we will be all we will be all wi

won

the gors of

h ich h ing did

nt to prely teon will nned he at

the mey

Date.	Prod	luce. Price p	er ton	Price per unit.
Oct. 1	6	×	7 0	60 19 11
	6	A 6 !	2 0	0 19 616
,, 22			4 0	0 17 101
Nov. 5	6	6	2 0	0 17 89
, 12	6	¥ 4 !	17 6	0 15 11
** 19	6	&	17 6	0 15 11
Dec. 3	6	2	6 0	0 16 11
, 10		5 b	10 0	0 16 7¥
. 17	6	% §	4 0	0 16 0

ton on 6 per cent. ore.

ton on 6 per cent. ore.

The average price per unit in 1857 is 19s.8d., and in 1856 it was 18s. 4\frac{1}{4}d.

At the beginning of the year the price of cake copper was 1261, per ton, which was raised to 1351. in the middle of Jan. In April it was lowered to 1261, again, and at the end of May to 1171.; on Aug. 26 it was raised to 1211, 10s., and on Dec. 8 lowered to 1071, 10s., at which it remains. The following are the particulars of the sales of copper ores in Cornwall:

Quarter ending— Tons. Av. prod. Amount. Av. price. Fine cop.

Quarter enging-	Tons.		r. proc		Amou	15.	-	anan's	AV.	pr_k	œ.	100	the o	
1857 - Dec. 25	45,395	*****	6.350		£252,517	4	6	*****	25	n	3		2899	19
Sept. 30	45,676		6.416		287,782	5	6	Sanak	6	6	0		2941	11.
June 30	50,972		6.258		811,847	. 2	6	264	6	2	4		3188	7
Mar. 31	49,755		6 324		349,134	12	6	*****	. 7	0	4	*****	3152	17
1856 - Dec. 25	48,334	*****	6.827		316,599	1	0	-	6	11	0	*****	3287	6
Sept. 30	49,636		6-976	******	299,273	16	Ò.	*****	6	0	7	******	3485	18
June 30	54,273		6.311		308,633	18	0		5	13	8		3427	13
Mar. 31	53,934	******	6.202	*****	317,337	17	6	******	. 5	17	.8	*****	3338	9

Mar. 31.... 53,934 6-202 517,337 17 6 5 17 8 3318 9

These figures show that the quantity of ore has decreased 281 tons under the previous quarter, and 2939 tons under the corresponding quarter of 1856; the produce has decreased '026 under the previous quarter, and '437 under 1856; the amount has decreased 35,2664. 1s. under the previous quarter, and 64,0614. 16s. 6d. under 1856; the price por ton has decreased 14s. 9d. under the previous quarter, and 19s. 9d. under 1856, and the fine copper has decreased 41 tons 12 owts. under the previous quarter, and

		Tops.	A	v. pro	d.	Amou	ot.		Av	. pr	ice	p. t	on.	Fine c	op.
1857 1856	*********	191,798 206,177	103060 110200	6 343	*****	£1,201,271 1,241,834	12	6	*****	£6	5	3	*****	12,183	
		14.379		0:220	0 1 1	40.563	7		1	0	_	10		1.346	10

end of Nov. show	-	0.000			
E-2164 509 31 45 33 19.75	COPPER-QU			2.44	
DY AND THE PART ROWN TO	Month endin	g Nov. 30.	Eleven mo	aths ending	Nov. 30.
to Tana Charles Line 1 bri	1855, 185	6. 1857.	1855.	1856.	1857.
Unwroughtewts.	8,340 8,97	9 13,426	92,790	. 107,906	. 134,913
Sheets and nails	27,540 29,80	14 18,228	183,390	364,061	261,860
Wrought, &c.		2 7,446	19,499	27,297	57,986
	DECI	LARED VAL	IIR.	the property of	. 51
Unwrought £		6 82,806		. 595,158	801,929
Sheets and nails					
Wrought, &c			133,883		
				-	
Totals	235,075 235,22	7 242,494	1,778,589	2,301,458	2,800,226
	norte and over	mte hame he			Lock I
The foreign im	ports and expe	nes nave be	MOITOR STREET	S. James	

MILIT TO ROTTLAGICACI			TES EXP		architect a	11.4
et françoi ilijor belate	Month 1855.	ending 1856.	Nov. 30. 1857.	Eleven mor	the endin	1857.
Pig, &cTone	1,330 342		968	21,091 5,151	21,844	6,882
Star Scount to Su	DE	CLARE	D VALU	2.	Tred triggs de	1111111
Pig, &c	9,194		25,613 7,777	125,199	146,343	168,651
Totals	41,985	56,717	33,390	606,099	697,658	702,563
Pig and sheetTone			OREIGN		8,796	10,341

-	Cimoinos.	English.	Welsh.		Irish.	Te	le of Ma	n.	Totals.
1857 1856	************************	£389,402 387,339	 £35,075 •29,585	*****	£29,125 18,440	*****	£13,520 13,800	**** *	£467,122 •449,164
	rease in 1857	£2,063	£5,490	110	£10,685		280		£17,958

	Copper.	Cop. & tin	Lead.	Tin.	Totals.
1856	£300,323 323,872				£467,122 449,164
1890	040,074	14,997	79,991	30,304	***** 449,101
Decrease in 1857		£29,591	€ 4,683	£ 7,233	£17,958

There is, therefore, a considerable decrease in the dividends paid by copper mines, and an increase on all the others. In 1856 the results were something similar, but the falling off on copper mines was then almost nominal.

In the Review at the end of 1856, the writer named twelve progressive mines, which he considered would be among the first that would enter the Dividend List, and of these four have already realised his expectations, and, but for the serious fall in the prices of copper and tin, it is more than probable that two or three of the others would have also done so by this time. A moderate rise in the metals may be anticipated before long, and looking at the reduction in wages generally taking place in the mining districts, and the fall in the prices of some of the principal articles consumed in mines, such as powder (gone down lately 16% per ton), iron, timber, &c., the total dividends paid will likely be maintained in 1858. It is not likely that tin will rise to such a price as it was about three months ago, but perhaps an advance of 64. or 74. per ton in the spring may take place.

During the past year the following mines have entered the Dividend List for the first time—Collacombe, Calstock Consols, East Falmouth, Grambler and St. Aubyn, Great South Tolgus, St. Day United, Wendron Consols, Wheal Grylls, and Wheal Jane; and the following have resumed dividends after a temporary suspension—Carn Brea, Herodsfoot, South Tolgus, and West Caradon. The principal concerns which have increased their dividends, are Devon Great Consols, by 92164; Eyam, 56004; Minera, 80254; Par Consols, 83204; and Wheal Collidors, and West Ston, 48004.

During the year (particularly in the last few months), there has been a great fall in many of the high-priced shares—such as East Pool, from 3264, to 1804; Grambler, from 1174, to 304; North Wheal Basset, from 3270, to 1404; West Basset, from 360, to 2204. Wheal Basset, from 276, and the summant of the summant of the summant of the summant of the other hand, East Basset ha

* This includes 10,000l, divided by the Minera Mines, omitted in pravious Reviews

THE MINING JOURNAL

THE WINING JOURNAL

THE WI

pays his calls more cheerium, and of the company before they trust it.

Mr. Murchison then gives, at great length, an account of the principal dividend and progressive mines, from which we extract the following:—

Mr. Muronison then gives, at great length, an account of the principal dividend and progressive mines, from which we extract the following:—

ALPRED CONSOLS.—Judging from the frequent and great fluctuations in the shares, this mine would appear to be a very speculative one, as noticed in previous reviews. In the past year 4505 tons of copper ore were sold for 32,8561, 3as, against 3508 tons for 25,6571. 8a., in 1856; the dividends in 1857 having been 13,5441., or 31. 9a. per share, a 1256. The whole sum paid is now 91,4161., or 181. 1s. per share. The last two two-monthly dividends have been only 4a. each, the previous ones during the year having been from 8a. to 12a. each. The writer has had numerous enquiries respecting this concern, and has, therefore, had it inspected by Capt. Pascep. of South Wheal Frances, who report that the mine is not looking so well, although prospectively there are several important points, while the reserves are valued at only 24,0001., not equal to one year's returns.

COLLACOMBE.—This mine is looking very promising. The same congenial strata still holds at the bottom of the engine-shaft, which is being sunk below the 72; the lode is 2 ft. wide, yielding some rich ore, and good results in depth are exposed. In the 72, east of segine-shaft, the lode is 6 ft. wide, and as soon as it comes in under the ore ground in the 62 above, there is little doubt of the lode becoming very productive. In the 62 east the lode is 3 ft. wide, containing some ore, and looks very well. In the 72, west of the western shaft, the lode is 3 ft. wide, and as good lock has gone down in the bottom. The 63 west has been driven for a considerable distance, and the present end is still worth from 2 to 3 ft. wide, she mid worth 1 ton 0 fore per fm. This drivage has passed through a good length of ore ground, and a good lock has gone down in the bottom. The 63 west has been driven for a considerable distance, and the present end is still worth from 2 to 3 tons per fm.

present end is poor. The 40 west has been good for a long distance, yielding 1, 2, and 3 tons per fm. The lode in the present end is worth 1 ton per fm., and promising speedy improvement. In the past year 1868 tons of copper ore have been soid for 11,834. 14s., against 1570 tons for 91401. 14s. 6d. in 1856. The mine entered the dividend list, for the first time, in 1857, and paid \$500t., or 45s. per 2000th. The samplings in future will be two-mouthly, and the reserves in and throughout the mine are safficient to keep up the present returns of 130 to 150 tons per month, giving a fair profit.

are sufficient to keep up the present returns of 130 to 150 tons per month, giving a fair profit.

DEVON GREAT CONSOLS.—In the past year 25,746 tons of copper ore were sold for 146,5161, 14s., against 29,425 tons for 155,6714, 1s. 64. in 1896. In 1857, the dividends amounted to 88,0681, or 671, per share, against 59,3921, or 581, per share, in 1896. The cres sold from the commencement amount to 130,496 tons for 1,630,2921,15s., and the total dividends to 690,2801, or 5951, per share. In last June Review, it was stated that a renewal of the lease for 29 years from Ladyday, 1857, and an addition to the set of nearly 1000 fms. on the course of the lode, had been obtained from the Duke of Bedford, in consideration of the payment of a fine of 20,0001, and a royalty of 1-12th. It was also agreed that the company should have a lease of so much land as might be required to make a railway from the centre of the mines to Morwellham Quay, and during the last few months great progress has been made in carrying out this important work. It is expected that the line will be in full working order by Nov. next, when the present contract for the carriage of ores and materials, at 5s. per ton, will expire, and a great reduction will then take place in this important item of the monthly costs. There is a very fine course of ore in the eastern part of Wheal Emms. leading directly into that portion of the set which has been recently granted, and from appearances it would seem that this new piece of ground is a very valuable acquisition to the property. Owing to the rapid fall in the standard, the directors have of late decided on reducing the samplings to a very great extent, and it is believed that this precautionary measure will have a beneficial effect. About its months ago the shares rose to 4601, to 4701., but at the end of the year they are much the same as they were at the beginning—about 4201. or 4251, per 1024th.

Meetings at Mining Companies.

LADY BERTHA MINING COMPANY.

The quarterly general meeting of shareholders was held at the offices of the com-pany, St. Helen's-place, on Tuceday,—Mr. One in the chair. Mr. Lavinoron (the secretary) read the notice convening the meeting, and the minutes of the last, which were confirmed. The statement of secrets and liabilities showed balance against mine, 3934, 14s. 9d. The following report was then read:—

minutes of the last, which were confirmed.

The statement of assexs and liabilities showed balance against mine, 1934, 14s. 9d.

The following report was then read:

Jan. 11.—I beg to hand you my report of the work accomplished since your last meeting, together with a statement of the present appearance and future prospects of the mine, which, on the whole, may be regarded as of the most cheering description. Moyle's engine-shaft has been sunk about 19 ft. under the 30; a trip-plat 12 ft, long, 9 ft. wide, and 7 ft. deep has been cut, which will be large enough to take all the stuff that may be broken in that level; to-day the sinking of the shaft will be resumed, and will be sunk 9 ft., where this lift, &c., will be fixed. In the 30 the cross-cut has been driven north 12 ft. to intersect the lode, and through the lode it ift, making in all from the north part of the shaft about 5 fms.; the lode at this point of intersection was composed principally of quarty, a little peach (chlorite), mundic, and spots of ore. The 30 has been extended east and west on the course of the lode, on the south part of it 5 fms. I ft., and is now being pushed on as fast as possible by twelve men, six men in each end, at an average price of 10 ft. 3s. per fm.; the western end is now about 18 fms. behind Robins's winze, sinking below the 20, and where there is a good lode; the eastern and is 7 fms. behind the cross-course seen in the 20, east of shaft. I consider these points of great importance, and will, when reached, open out some profitable ore ground. The 30 west has been driven 10 fms. 3 ft., making a total distance from Moyle's shaft of 43 fms. 4 ft.; the lode in the present end is about 4 feet wide, and worth 2 tons of ore per fm. This end has now been driven for 14 fms. through a good lode, which has turned out at times as much as 5 ms. of ore per fm., and never less than 1 ton of ore per fm. The min has now been driven for 14 fms. through a good lode, which has turned out at times as much as been driven for 15 fms. through a

The Chairman said it was expressly wished by the committee that the report should each up to give the latest improvements, and they had only received that does not that working.

would be premature to do so in the present state of the rises and winnes.—J. Mathemat.
The Chairman said it was expressed wished by the committee that the report should be sent up to give the latest improvements, and they had only received that document that morning.

Mr. Lairan, who represented in his own person and on behalf of his friends a very large amount of shares, expressed his dissatisfaction at the position in which the undertaking was placed, and handed up to the Chairman an elaborate report from a most competent authority (the expense of which he had himself paid for), showing how the property might be improved. He concluded by moving that they should stop sinking the shaft below the 30 fm. level, and drive east and west instead.

Mr. Taoarson was of opinion they ought to leave it to the committee, who could better work the mine than a general meeting could.

Mr. Lairan said there was one of the committee who only held one share.

A Sharrionder shalf direction.

A Sharrionder is said they should not interfere with the committee, but he quite concurred with Mr. Lelean, and did not see why they should be going down for the benefit of somebody else, but had better drive east and west. He thought Mr. Lelean's move was in the right direction.

The Chairman said he was not the party alluded to as holding one share. He did not consider it was the province of the committee to dictate to Mr. Metherell, as he thought he ought to know what was right.

Mr. Leilean said the question was whether sinking the shaft at the present time was a proper mode of operation.

Mr. Mitrust explained by a plan of the mines that every 10 fms. thay were sinking they were going further from the lode. They should suspend the shaft until they had driven the levels cast and west. He was against stopping sinking the engine-sheft, where the engine was in the proper position.

A Sharriondar said, several shareholders having complained of the excessive demand for land damage made by Sir Massey Lopes upon the subject.

The Chairman said,

WEST WHEAL PROVIDENCE MINING COMPANY.

The general meeting of the adventurers was held at the offices of Mr. Allendopthall-court, on Wednesday,—Mr. P. L. HINDS in the chair.

Mr. Roamson (the secretary) read the notice convening the meeting, and the minter of the last, which were confirmed.

A statement of accounts was exhibited, from which the subjoined is condensed:

| Attended 0 8= £2654 4 9 £512 0 0 1089 12 5 7 13 3= 1609 5 8 Call of 10s, per share ...

The Charrman, in answer to a question, said that the arrears of call only amous 461., and he believed the whole would be paid. He would now propose that seconds be received and adopted.—The resolution was seconded and carried to

accounts be received and adopted.—The resolution was secondar and continuously.

The CEARMAN resumed: He would next propose that the report be read. They had not a very obsering prospect, but he believed the worst was passed, not only in mining, but in other commercial affairs in this country. In mining they had most trying times the last three months, but they had to attribute their aufferings to that rapscious set, the smelters; and they had been paying more to the tributers than the adventurers got for the produce. That labour must be brought down in the present-state of affairs, had been ably explained in the Missing Journal. With recard to the in smelters, the only way they could do was to withhold the produce until they could obtain a fair and just price. He would now propose that the report of Capt. Thomse be read.—Mr. Rouxskow then read the following report:—

The homolary senzine-shaft is now sunk 3 fms. 2 ft. 6 is, below the 110.

be read.—Mr. Rosinson then read the following report:—

Jan. 12.—The boundary engine-shaft is now sunk 3 fms. 2 ft. 6 in. below the 110, sinking by eight men, at 266, per fm., and the ground congenial for tin; this shaft is being sunk about 2 fms. to the south of the branch and about the same distance to the north of the lode, so that both the branch and the lode can be intersected in the 120 by a short cross-cat. The 110 is driven west of Michell's shaft, on the lode, about 9 fms.; the lode for this distance has been rather small and poor. The men are now engaged in driving north at this point, to intersect the branch, we have already passed through a small branch, producing good work for tin; the main branch we expect to reach in 2 fms. farther driving. In the 100, about 7 fms. farther west than this end, we had good tin ground, which encourages us to expect that this level will improve; the best tin ground seen in the 100 is yet 14 fms. farther west. The 100 is driven west of the flookan (west of 8t. Aubyn's chaft), on the lode, 20 fms.; the lode intherto has been poor, but the end being now within about 5 fms. of the ore ground driven over in the 90 fm. level, we shall soon have an improvement, or be greatly dis-

appointed. We purpose shortly, when the ground is a little further drained, to commence sinking a winze in the 90, in the ore ground. Our fullest expectation of the 100 turning out will encouraged us to take away all the tin and copper that we could from the upper levels; but the 100 having proved such a failure, and the price of tin so gone back, our returns at present are quite unexpectedly ina equate to meet the cost of carrying on the different operations that would be necessary for fully developing the mine. Hinds's shaft is sunk 2 ft. 6 in. below the 30; about 6 feet above the present dapth the shaft greatly improved, and presented snore encouraging prospects than ever we had before seen in this part of the mine: for a short time it was worth from 15f. to 300, per fm., but though the branch continues its size it is much less producity. The men are now engaged in driving south in the 30, where we shall interested a small branch in this level, but very good: yesterday we out into another branch of good size, producing tin, but have not opened on it sufficiently to know its value. The price per ton for tin to tributers being reduced from '60,' to 536. Sd., and the tutwork operations being considerably less, together with a general reduction in wages, will very materially lessen the monthly cost. We have now twenty-four men on tutwork, and forty-eight men on tribute.—J. Thousas.

The Chainaxa said he believed Capt. Thomas, in alluding to their position, intended to refer to the past, and not to the future. There was another subject to which he would refer—the reduction of the dues one-half, and he should move a resolution that the lords remit them altogether for the present, as he thought it was but fair they should do so after the great outlay by the adventurers. If they were under the Commissioners of the Church it would be necles to ask them, but fortunately they were in the hands of private individuals. He had also to propose that, to meet their present difficulties, Messres. Vivian, Grylle, and Co., the ointed. We purpose shortly, when the ground is a little further drained, to som see sinking a winse in the 90, in the ore ground. Our fullest expectation of the

rouble and loss.

The report was then adopted, and resolutions passed to apply to the lords for a resission of the dues, and that the bankers be authorised to advance to the extent of
60%. to Mr. Robinson, the purser.

The Charkawa said he would now propose a call of 1% per share, payable forthwith.

A SHARKHOLDER englid about 3000%.

W. Robinson and Markawa said he should show the plant on the mine?

A SHARRHOLDER enquired the value of the plant on the mine?

Mr Rominson replied about 30001.

The resolution making the call was then seconded, and carried unanimously. The committee of management were re-elected, and a vote of thanks tendered to them for services already rendered.

GOVERNMENT SCHOOL OF MINES.

The lecture by Mr. W. SMYTH was on the "Exploration of Mines." The lecturer alluded to what he had previously stated with regard to the sinking of shafts and the driving of levels. Occasionally between the latter, for the purposes of ventilation and the getting of the ore, what are

The lecturer alluded to what he had previously stated with regard to the sinking of shafts and the driving of levels. Occasionally between the latter, for the purposes of ventilation and the getting of the ore, what are called winces were sunk; these were, however, placed at irregular distances, as in general the object was to sink them where they would be protion in which they were there placed.

He would now speak of the staff, or, if he might no term it, the presents of the carried of the staff, or, and the staff, or, and the staff, or, the might no term it, the presents of the carried of the car

The lecture, by Dr. PHECY, was on the "Amalgamation of Silver." He had previously described to them the process by which this was effected in Mexico. Several of the chemical re-actions occurring had been described by Carston in the "Archiv." for 1852. The lecturer then alluded to the reactions which occurred with chloride of copper and metallic silver, chloride of copper and sulphide of silver, and di-chloride of copper and sulphide of silver. Although much had been written on this subject, it was very far from being satisfactorily investigated at present; and there was a great field open for further researches in this important matter. When chloride of silver is obtained, it is easily reduced by mercury. A good account of the Mexican method would be found in the "Annales des Mines." The method he had spoken of was that practised at Zacatecas. Although there were several different modes of practising this system of smalgamation in Mexico, yet there was not much variation; it he loss sometimes was as much as from 10 to 24 ozs. of mercury to the mark of silver. When gold occurs in the ores, a little mercury is put in the arrastre, and this is not removed for some time; the loss in some places is calculated to be only from 5 to 7 per cent., while at Freenillo, where the ore is galenta, pyritis, and blende, it is stated to amount to 23 per cent. At Zacatecas, where the ore is in a quartzose vein, the difference between the assay and the product is from 35 to 46 per cent. It has been proposed to substitute an amalgam of copper and mercury, but he had not heard that this had been successfully earried out. The consumption of mercury in Mexico was stated to be 2,000,000 libs. troy annality; in Chill, Peru, and Buenos Ayres, it was estimated to amount to 1300 tons.

He would now refer to the analgamation process as practised at Freiberg, in Saxony. A diagram of the furnaces and apparatus they had before them. In the year 1748, amalgamation works were erested at Kongsberg, in Norway; and in 1790, they were introduced at Schemitz, in Hingary. At Freiberg, works of this description were introduced at Schemitz, in Hingary. fected in Mexico. Several of the chemical re-actions occuring had been

silver in the ores is a sulphide, which is converted into a chloride by roasting in contact with common salt, in presence of a sufficient quantity of iron pyrites, chlorine being generated. This is brought into contact with iron and water. The smallpum is then submitted to pressure in the ordinary way, and afterwards reduced by beat. The mercury is evolved, and contains a portion of alter; but, as it has to be reduced a wain, the preclose metal is recovered. A good description of this pressure of the precent of the pressure of the press

CORNISH MINE PHOTOGRAPHS-No. XXIV.

THE "BAL MAIDEN."

No subject is of more consequence to the social welfare of society than the proper education and employment of the female portion. This theme een so often and so powerfully argued by philanthropists and political economists, that there appears little left on which to expatiate. Much, undoubtedly, has been accomplished, still a huge incubus has yet to be removed, a terrible evil has to be overcome. When Government enacted that no females should be employed in collieries, the prohibition should have extended to mines of tin and copper, though probably it was not aware of the evils which (at that period much worse than now) are prevalent in Cornwall. The indiscriminate association, in their employment, of the sexes naturally begets a want of modesty and delicacy, so important in the formation of character; whilst the masculine labour which females are frequently compelled to undertake, together with their being so long from home, render them wholly unfit to perform and attend to those domestic duties which should constitute the comfort and charm of every home, particularly that of the working man. Many a husband, many a well-intentioned man, has been driven to the pot-house from these causes, who had he had a comfortable hearth would prefer it to the haunts he now frequents, to his own and his family's ruin.

We by no means wish to imply that the evil is not gradually on the decline—we know it is so; our endeavour is to point out the evil as it is, so that by drawing attention to it, we may possibly assist in its more speedy romoval, or entire suppression. It is fearful to learn the amount of demoralisation from this source. A few particulars of the employments to which these "bal maidens" are accustomed will show whether we complain justly or not. should have extended to mines of tin and copper, though probably it was

we complain justly or not.

We were on a mine a few days since at which the sampler was weighing off the ores sold at the previous ticketing; there being a scarcity of hands (men) on the floors, Mary and Nanny were called on to assist, on which two Amszons rushed forward to the work. Now, to those unaccustomed to such scenes, it will be necessary to observe that the ton of copper ore consists of 21 cwts., which are weighed seven times in hand barrows, containing 3 cwts. These girls were employed to fill these barrows with copper ore with the long-handed Cornish shovel, and carry them a distance of several yards to the scales; after weighing, they have to carry them several yards further to another heap, where they upset the ore, and then go to the pile to refill. This may appear very easy, and all very well; but let any strong man try the experiment, and he will find the task a most laborious one, and such as butvery few can stand for two or three hours. These poor girls wrought most vigorously, being spurred on to the task by the challenges of the men; such as "Bravo, Mary!" "Well done, Nanny!" and amid coarse jokes and jeers that were not fit for ears polite, and certainly such as young girls had better not have heard. The sampler urged that they should get men to the work—that it was not fit employ for girls, and remonstrated on the subject, but to no purpose; the poor girls were obliged to execute the toilsome work, the perspiration streaming from their faces in copious floods. The lifting such weights from the ground is hard work; then the depositing it on the scale, again lifting, and the twisting to upset such a burthen, is quite improper to the female frame, and ought never to have been allowed. But so it is, and that too frequently.

On many mines, particularly tin mines, large numbers of boys and girls we complain justly or not.

We were on a mine a few days since at which the sampler was weight

scale, again intage, and ought never to have been allowed. But so it is, and that too frequently.

On many mines, particularly tin mines, large numbers of boys and girls are employed in dressing the ores of that metal, which are always greatly mixed with other minerals and gangue. None of the ores are brought to market until it is in a state termed black tin—that is, deprived of as much foreign substances as possible by the action of fire and water, a most tedicus and costly process. In many of the larger mines scores of "bal maidens," as they are termed, are employed, and in certain parts of the work an almost equal number of boys. Whilst at their work, and under the supervision of the master dresser, all goes on tolerably well, ave coarse joking, and that continual association we so much complain of; at meal times, and on going to and from their work, it is almost impossible to prevent that conversation and rude behaviour we so much wish to see prevented. On some of the larger and better regulated mines there are separate and comfortable dining-rooms for each sex provided, where decency and order

that conversation and rude behaviour we so much wish to see prevented. On some of the larger and better regulated mines there are separate and comfortable dining-rooms for each sex provided, where decency and order are strictly observed. This is a step in the right direction, and a great improvement. The evil is known to, and admitted by, all mine agents, who regret the necessity, but can see no remedy for it. The same supineness formerly existed with respect to females employed in collieries; the agents could not possibly see how the evil was to be avoided, until the public saw for them, and compelled them to adopt an improved regime. The "maidens" are usually sent to the mines at the early age of from six to seven years, where they are taught to assort the ores, after which they learn to buck and jig them—that is, bruise and separate by water the ores of copper, lead, and zinc; a most laborious species of work, particularly the bruising of the ore, which is done by striking the pieces with a heavy hammer on a flat piece of iron. In the larger ore-producing mines, huge crushers, or rollers, are employed; in the smaller the "bal maidens" have this work to do; but, if actively pursued, it is too hard work for females. In tin mines these girls attend to the frames; that is comparatively light and clean work, but the constant exposure to wet is unfit for females; whilst the continual association with the men and boys, as we have before said, is highly improper. These poor girls remain from the early age we have mentioned, until they either get married off to some of the miners, or die of consumption, which carries off hundreds annually.

Legi year ba

isan upon them

be ra matio futui

stran laces to sa thou ing i the e pres men hone M in th

with

word in the control of the control o

And duck the week of the control of

maigram by heat. reduced; by heat. reduced; by heat. reduced; by Mr. liagram, bh being re ought non sait. The over this is. The be to different to the said of the reduced of pifer-sitously, means, censues. sulphur se works we work to mean the said of the reduced of the reduce

is a mere physical evil; what we most deplore is, that when called to take upon themselves the duties of wife and mother, they are totally unfit for them. How can the moral standard of society amongst the lower order be raised by mothers and sisters with such education and examples? it is utterly hopeless. Taken from their hearths at so early an age, and kept not work for ten hours per day, they have little opportunity, and less inclination, to attend to the domestic and matronly duties so necessary to their future culture and well-being. Their being associated in such numbers, and before men, a spirit of rivalry in dress (perhaps inherent in all women) is soon engendered, and every attention—all their thoughts and earnings—are devoted to this method of making themselves attractive. To see the "bal maidens" on a Sunday, when fully dressed, would astonish a stranger; whilst at their work the pendant earrings and showy bead neck-laces excite the pity as well as the surprise of the thoughtful. All desire to save a few shillings for after-life is discarded, and nothing but display thought of. This is carried on to an incredible extent, and all the preaching in the world will never interfere with the wearing a fine bonnet or shaw), or an attempt to imitate the fashions of their superiors. Rivalry is the order of the day, and thus many are led into temptation. We see no present remedy for this evil, but trust machinery, and the non-employment of boys underground, may produce a mighty change, and oblige those who ought to be employed in domestic duties to be so engaged to their own honour, their husbands' comfort, and their children's blessing.

Machinery is rapidly effecting a change, and we hail every improvement in that department as a real blessing to miners; but where it dispenses with fomale labour in such situations, we rejoice in it as a grand and effective effort towards the domestic comfort of thousands, and as a help towards the elevation of the social position of mankind generally. If the Legislature be ca

MINING NOTA SILIA. [EXTRACTS FROM OUR, COMMESPONDENCE.]

MINING NOTA-GILIA.

[EXTRACTS FROM OUT, CORRESPONDENCE]

WHEAL MANGERY.—Since my last visit to this mine, a great and marked progress has taken place. The n.w. weights has been set to work, diverting ships from two shafts, by which means Will, works are much facilitated and economised. The encountry of the control of th

Two specimens from the castern part of the mine were assayed on Saturday—one produced 45 and the other 55 per cent.—A. Bennett.

TOLVADDEN MINE.—I read, with much pleasure, Captain M. Francis's motice of this celebrated mine. Having been underground there on Friday lant, I can say his presumptions are fully borne out by facts. The great bunch of ore is precisely as he describes; but at the osnine-shaft now sinking there is a fine bunch of yellow ore out, which appears to be a totally different bunch from the great western, which a vridently disping west. I was at one time of opinion that it would have been better had the present engine been piaced further west by 100 fms. than it is; but the ore cut at the shaft will probably reader its services important where it at present stands; and it hope to see the day when further explorations shall render necessary the erection of another, and larger, regine to the west even of their new shaft. There can be no doubt but this is another proof that if a lode be once productive, perseverance is sure to be rewarded by driving on its ourse. How it happened that the Neptune workers did not drive west I cannot conceive, as the old mine was so very rich, and the isode continuous; but, at Capt. Francis says, "It was not all for one generation." It is surprising that the shares in this mine are not at a higher quotation—a sad proof of the state of the times. However, they are daily improving, and, when the next batch of ore is brought to market, I doubt not that they will advance considerably. Had the proprietors been actuated by sordid or dishonest motives they could, from discoveries already made, double their produce, and that for some few sales, as they can, by putting on extra hands, raise at least from 300 to 400 tons of ore per month; that would be picking its eyes out, a proceeding against which every right-minded that would be picking its eyes out, a proceeding against which every right-minded

miner sets/his fasee. It may gratify my friend, Captain M. Francis, to know that all he has said it more than being realized. I have, on the table on which I write, manifected requirements of solid passocia, purply, and brotefals over, which I broke from the control of the co

and sampled, so as to make the mine self-supporting, and which there is no doubt will in a short time pay large profits.

Messrs. Powell and Cooke have forwarded the following remarks:—
It has been matter of great surprise that British mining shares have not before participated in the general buoyancy that has for some time past existed in foreign mines. Some of our best dividend and progressive mines are authorised by the committee of the Stock Exchange to be marked on their official list, which is some guarantee for the legitimacy of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of that institution were to pay of their character and management. If the members of the members of the patter of the parties for whom they act. 15 to 20 per cent. In not to be obtained from foreign, as is the case with British mines; while the risk of good results to themselves and the parties for whom they act. 15 to 20 per cent. In not to be obtained from foreign, as is the case with British mines appears to be a great anomaly. The business of the past week, however, shows that the public are not insensible to the present low prices of good mining property, as orders have been freely given out to buy at the advertised quotations; but in most cases without succeeding in getting the different lots of shares required. The following are the mines that have been principally dealt in during the week:—Trelawny, 26%, 27%; Mary Ann. 14%, 45%; Herodsfoot, 7%, 7%, 7%, 7%, 7%, 7%

charge, at present prices, and those named are unexceptional, being free from risk, and the heavy responsibility of joint-stock companies.

Mr. Crofts has furnished us with the following remarks:—

The joint-stock banks having recanted their error, of allowing exhorbitant rates of interest for deposits by descending from 8 to 3, and even 2 per cent. per annum (which is more disadvantageous than investing in Consols at 93), the effect to be looked for is that a flood of capital will be let loose to operate upon the speculative market in railways, joint-stock banks, and foreign and colonial securities of every description—and last, perhaps not least, in mines. The market, injeed, has already felt the effect of the change in the value of money, as shown in largely increased investments, although during the latter part of the week it has been rather quieter in tone than at the commencement. But there is yet "ample room and verge enough" for large profits accruing upon purchases now made, especially as the market is, at the moment we write, rather more in favour of buyers. A custom exists amongst some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing latters of enquiry to several (in some portion of the speculative public of addressing in teres of enquiry to several with the contrary, to create a fictitious demand by multiplying apparent buyers, and thus raising the ideas of sellers. Not presuming to dictate to individuals as to the manner in which they should do their business, we do, at the same time, submit that to address one party would answer a better purpose for themselves than addres

Mining Carrespandence.

BRITISH MINES.

ABBEY CONSOLS.—J. Trevit, and 10: There has no holds been taken down. In the 10 cent during the past words. In event, of and over per fathout. The holds in the did call, such of the eastern shall, is not calling and off read as het attack, worth at present about 2 way, per fathout. The holds in the castern shall is the state, worth a present about 2 way, per fathout. The holds in the castern shall is yielding 6 cwits, of the content of the castern shall is yielding 6 cwits, of the content of the castern shall is yielding 6 cwits, of the content of the castern shall be shall be said of the castern shall be shall be said on the castern shall be shall be said of the castern shall be shall b

when we get deeper; besides, a few have every reason to expect a sun of the north and south lodes together.

BRYNTAIL.—J. Roach, Jan. 14: The 10, east of No. 2 cross-cut, on north part of Bryntail lode has, since last reported upon, bore a little north of east; in that direction we met with several large vughs and fissures filled with oxide of iron, but not so much ore in the lode as it previously contained; however, the wall is regaining its former direction, and the lead-bearing stratum making its appearance. The winze under the 10 has intersected the lode, from which stones of solid ore have been taken; but in consequence of having to timber the ground, hang takel, &c., it has not yet been cut into, but it will be done as early as possible.

BULLER AND BERTHA.—J. Hambly, Jan. 12: The engineers are still about the engine, and will, they say, make some improvements in the former mode of working. I dare say it will put us down 60 fms. from surface, which will be a fair trial for rooper, and we shall have, long before we arrive at that depth, a fine course of ore.

BWLCH CONSULS.—R. Norther, Jan. 11: The following is the acting list for Jan.:—Pellitynniad shaft to sink by six men, at 10! per fms.; idee not to value. The four men in the 60 eastern end, let to cut through the lode at 4!, per fm.; the lode as far as cut through will produce 5 cwts, per fm. The 60 west let to six men, at 4!, per fm.; the lode in this end is disordered at present, but the stratum is consensial for lead, which I think we shall have in a few fathoms further west. A winst to sink in the bottom of the 50 let to six men, at 5!, per fm. No. 3 stope in back of the 50 let to to x men, at 4!, sep per fm., worth for lead 10 cwts. per fm. No. 3 stope in back of the 50 let to two men, at 4!, sep per fms.; lode 2 ft, wide, composed of jack and killas, with spots of lead. No. 2 stope in back of the 50 let to two men, at 4!, sep per fms.; lode 2 ft, wide, composed of jack and killas, with spots of lead. No. 2 stope in back of the 50 let to six men,

CAMBORNE CONSOLS.-W. Roberts, Jan. 12: Nothing new to report.

ty than theme d poliatiate. has yet nment

it was w) are mployacy, so labour h their and atort and fany a chouse for it to the de-

ibition

s it is, more mount weighcity of ist, on unacton of hand se barcarry y have set the and all ill find or two purred lary!" not fit have that it

to no ne per-g such on the te imd girls t tedisuper-

order great gents, pineil the mé. from which water , par-

ented.

ueing hat is wet is boys, from

CALSTOCK CONSOLS.—W. B. Collow: In the aciti end the lode—has much improved within the last few day; it is from 9 in. to 1 ft. wide, and will yield about 1/5 ton of good quality ore per fun. This improvement is likely to continue, from the congenial nature of the killas by the side of 'the lode. In the 12 and there has been no lode taken down for the month. The locks in the stopes in the back of the 12 in from 2 to 5 ft. wide, and will yield 5 tons of ore per fun. At the engine—shaft, sinking under the 12, we have intersected the cross—sourse—this has caused an increase of water in the shaft; the ground continues very faveurable for sinking. In the other parts of the miles there is no alteration to report.

CARADON CONSOLS.—W. Riek, Jan. 12: In the 38 cross—cut south we have driven through a small branch containing spots of ore, and letting out a little water. We are still foreing on the cross—cut; the ground at present is rather stiff. No alteration worthy of notice in any other part of the mine.

CARVATH UNIFED.—B. Hancock, Jan. 11: We have set two pitches—one in the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the 10, was of engine.—shaft, and one is the back of the sastern acit, at 12s. in 11. tribute, to five mea, for two moaths. We have also at two atopos in the back of the 40; in this stope there is a good dole for tin. For the future I hope to increase our returns. The east end for the present is hard for driving, but this will not lace though a strength of the producing tin, but not rick. In the west end, in the 40, there is a kindly lede, producing some good work, and I taink there is a better lode further was the lode is producing some good work, and I taink there is a bet

COLLEGE,—As Braithwaite, B. Tucker, Jan. 9: In the 20 north, on the blue lode, war now under the run shaft, and expect to arrive at the lode in one or two fma, driving. The 20 north, on the red lode, is not looking so well, but there are fine stones in the end, with small leaders on the footwall; the bunch at the bottom of the level, mixed with spar, dec., has gone down, it is 12 in. whie; we have driven this last week 1 fm. The 20 south is now about under the new winze, and we shall now commence eccase-cutting the lode. About 1 ft. 6 in. was driven last week; a kindly looking lode. The tribute pitches are looking much as usual. We shall finish cutting the plat is the 20 at the bottom of the shaft in a day or two, and then commence fixing penthouse, which will take a week.

CWM ERFIN —Law 12: A gradual improvement has taken place in the 57 fm.

the plat in the 20 at the bottom of the shaft in a day or two, and then commence far genethouse, which will take a week.

CWM ERFIN.—Jan. 12: A gradual improvement has taken place in the 57 fm. level, going east of drawing-shaft, since last report; the lode is from 3 to 4 ft. wide, composed of elay-siate, branches of spar, blende, and small veins of lead ore, now yielding dressing work. The winze sinking below the 45 fm. level, 10 fms. east of the cross-cut, is within 3 fms. of being down to the required depth; the lode here yields 12 cwts. of lead ore per fm. The lode in the 45 fm. level, going east of cross-cut, has increased in breadth since last report, being at this time fully 7ft. wide; the part we are carrying for the level yields 1½ ton of lead ore per fm. The lode in the stopes over the back of the 45 fm. level, as and west of the cross-cut, is 2 yards wide, yielding 15 ewts. of lead ore per fm. The lode in the stopes over the back of the 45 fm. level, is fms. east of the cross-cut, is 4ft, wide, yielding on an average 1 ton of lead ore per fm. The winze sinking below the 32 fm. level has been communicated with the rise coming up against it, thereby nicely ventilating this part of the mine. The lode in the 32 fm. level, going east of cross-cut, is got into a soft run of ground, which has quite disordered the lode, being at this time about 1 ft. wide, unproductive. Looking at the strength of the lode in the level below, which is many fathoms in advance of the same, I calculate this change to be of short duration; the lode in the same level, proceeding west from the cross-cut, has rather improved, now yielding fully 1 ton of lead ore per fm. The rise in the back of the 33 fm. level, over the ring fully 1 ton of lead ore per fm. The rise in the back of the 33 fm. level, over the part of or exploring, consequently the progress is slow. The frost having left us since Friday leat, all dressing operations are ugain resumed.

CWM SEBON.—J. Boandy, Jan. 9: In consequence of the severe frost, our sur-

Friday last, all dressing operations are again resumed.

WM SEBON.—J. Boandy, Jan. 9: In consequence of the severe frost, our surface operations were entirely suspended for three days. The pumping-wheel being frozen up, the water has risen 1 ft. above the bask of the 60; consequently, nothing has been done in the 60 since Monday last. It is now a complete thaw, and all surface operations are commenced again. In the 30 cross cut nothing has been done during the week, in consequence of a pile of suff which has been broken in driving the end: at present we cannot conveniently take it away before the air-shaft is completed to that level. In the tribute pitch west of engine, in the 30, there is a branch going off to the north, and I have put the men who were in the 50 cross-cut to drive north-east of engine-shaft, to see if we can meet with the branch; if so, I have no loubt but it will prove a productive one, the branch looking promising. All other parts of the mine are looking just the same as for some time past. We have put the new crusher to work.

new crusher to work.

DEVON AND CORNWALL UNITED.—T. Neill, Jan. 12: In the 40 the ground has become more favorable for driving, and the killse mixed up with mundle and supper ore. In Bastard's level the south lode driving east is large, and producing cod stones of coppor ore. The stopes west of rise, on the north lode, are producing 5 tons of ore per f.m. Midway Level.—North Lode: In the eastern level the lode is arge, and producing good stones of ore, promising an improvement. In the western evel the lode is 6 ft. wide, worth 6 tons of ore per fm.; the stope in the back of this evel, on the south lode, is worth 12 tons of ore per fm.—Middle Level: The lode in he winze, shiring below this level, is worth 2 tons of ore per fathom.—The north ode driving east is worth 1 ton of ore per fathom.—William and Mary: The lode in the sait, level is 2 ft. wide, continues to produce good stones of ore, and is promising for im-provement.

for in-provement.

D'LVON BURRA BURRA.—John Lord: Last night we cut the western wall of the great cross-course in the 40 fm, level end east; water issuing very strong—increased our engine 14; stroke per minute; as far as we have seen it, it is of the most encouraging character. I hope in the course of a week to see several pares of tributers at White's shaft working. In sinking the engine-shaft the past week we have had a hard floor of ground; to-day I find it easier, and I anticipate an improvement in the lode shortly, as it is still going down more perpendicularly. Thave not the least doubt in my mind but what we shall get at something good in a short time, that will amply repay the adventurers for their patience and perseverance.

DEVON WHEAL BULLER.—Thos. Neill, Jan. 14: In the 44 west the lode is 3 ft. wide, and producing I ton of ore per fm.—very promising for further improvement. In the stopes in the bottom of the 32 the lode is also improved, now worth 2/5 tons of ore per fm. No alteration in any other part of the mine.

DOLWEN.—P. Evans, Jan. 11: The engine-shaft I have set to-day to sink for eistern, plat, and lodge, &c., 5 feet for 11/L, to six men; the drawing and all expenses to be paid by the takers.

EAST ALTRED CONSOLS.—H. Skewes, Jan. 15: The ground in Painter's engine-

be paid by the takers.

EAST ALPRED CONSOLS.—H. Skewes, Jan. 15: The ground in Painter's enginesaft continues favourable for sinking; in the western end the north lode is about
foot big, producing spar, mundic, and good stones of copper ore; driving west on
main lode the lode continues as last reported. The ground in the south cross-cut
much the same as for some time past. Other parts are without alteration.

EAST CARN BEEA.—Thos. Glanville, Jan. 12: In the sdit level, driving east of the engine-shoft, the inde is 18 in. wide, composed of gossan and grey ore. The other arts of the mine are without sileration.

arts of the mine are without alteration.

EAST HENDER.—N. Clymo, Jan. 11: Our mine is looking very kindly at prenit; we are still driving on the cross-course to cut the south lode, and that is proucing a great deal of mundle. The lode we cut a month since in driving the crosstil is 2 ft. wide, producing good storees of black and yellow copper ore. We have
pened on the back of a lode in eastern part of our sett, producing gossan and spar

spened on the back of a lode in eastern part of our sett, producing gossan and spar. EAST PROVIDENCE MINES (Leiant, Cornwall),—George Henwood, Jan. 7: I save made a most careful examination of these mines, and find no less than five well-leitned lodes aircady discovered therein; but I am fully persuaded that more than hese exist, as a widenced by the vestiges of the old men's workings. I am also quite convinced that the Great Providence lodes traverse the sett. Having lately made a horough investigation of that celebrated mine, and being long sequainted with the centity, I feel myself justified in giving an opinion. The sett is large enough for all practical purposes, being nearly three-quarters of a mile from north to south, and the same distance from east to west; it is situate on the junction of the granite with the cities—a position well known to be highly desirable for mining effect in or copper. The mines cannot, therefore, be more favourably situated, in a geological point of view. The facilities for obtaining mining materials are unusual, the high road from St. Ives Killaw—a position well known to be highly desirable for mining extent in or copper. The mines cannot, therefore, he more favourably attacted, in a geological point of view. The facilities for obtaining maining materials are unusual, the high road from St. Ives to Hayle passing directly through the midst of the sett. The dues are moderate, and water for dressing purposes available. The deep adit from the sea level will enable backs to be obtained as high as 59 fms., or thereabouts. On the ground at the present time are a good horse-whim, a saw-house and carpenters' shop, and preparations are in rapid progress for erecting the other necessary buildings; these will be comparatively of little cost, grantic suitable being on the property to any extent, and procurable gratis. The mines are situated amongs, and surrounded by, the productive mines constituting the St. Ives district, are adjoining, and on the cast by south of, the Providence Mines, nearly due cast of the West Providence. On the North is Wheel Margery; on the north-west Trelyon Councis, Wheal Trenwith, and St. Ives Consols; on the south Hawk's Point Mune; on the south-west Wheal Margaret, and other great mines. At a further distance are the Wheal Reeth, Reeth Connols, and Balmon, so that these mines may be said to be in the nucleus of the district, and surrounded by mines. Having asid so much of the surface and situation of the surface and situation of the sines, I now proceed to detail the underground operations and appearances. I commenced at the eastern adit level, which I found had been taken up just above the sea level, and had been driven 5 fms. by the old men on the course of the lode; the walls are very nearly perpendicular. At 5 fathous the former workers were tempted, by the regular appearance of the north wall, to put in a cross-cut about 3 fms., but with no result. The main lode is seen in the citif, and at 3 fms. conth of the surface and situation of the since appearent; of this lode I shall speak amon. At the point the foruser workers were

THE MINING JOURNAL.

Seen in the cleft, near ther wouth of the after; the lock spers is still very larget. All final from this junction a rive, by way of experienced, lists been pit (if a first five feet or, a first of lock, and served the off the first by the control of the

are winout aiteration.

EAST WHEAL ROBERT.—E. Collom, Jan. 14: The drivage in the cross-cut for the last month, measured on Saturday last, was 2 fms. 3 ft. at 41. 10s. per fm., and the end is set again at 54. per fm. I have also set to rise a few feet on the branch we met with about 6 ft. from the month of the cross-cut. In addition to this I have st a pitch in the eastern adit on tribute, and the taker is not without hopes of being successful.

accessful.

EAST WHEAL RUSSELL.—John Goldsworthy, Jan. 14: I have nothing new to report since my last.

EAST WHEAL TOLGUS.—Redruth Consols Lode: The lode in the 46, east from the engine-shaft, is 6 in. wide, consisting of killas and spar. The lode in the 34, east from the engine-shaft, is 6 in. wide, spar and spots of ore. The lode in the 32, east from the engine-shaft, is 18 in. wide, producing occasional stones of ore. The lode in the 12, east from the engine-shaft, is 18 in. wide, producing scones of ore. The lode in the stope in the bottom of the 12, east from the engine-shaft, is 20 in. wide, yielding 1½ ton of ore per fathom. The lode in the stope in the beak of the 12, east from the engine-shaft, is 20 in. wide, yielding 1½ ton of ore per fathom. The lode in the stope in the beak of the 12, east from the engine-shaft, has not been taken down in the past week. The lode in the rise in the back of the 12, east from the engine-shaft, is a great part of the engine-shaft, is 12, wide, chiefly of killas.—North Lode: The lode in the add tend, diriving east from the engine-shaft, is 12, south from the engine-shaft, is without any alteration to notice.

FRANK MILLS.—J. P. Nicholle, Jan. 13: The 60 south, on east lode, is set to drive 5 fms. steat, at 14: 10s. per fm., the lode in this end is 2½ ft. wide, worth 8 cwts. of lead per fm. A winze to sink in bottem of the 60 north, on west lode, at 24: 10s. per fm., in a substant the latter winze, at 24: 5s. per fm.; we expect to communicate the rise and winze in about a fortnight, when every part of the mine will be well ventilated; as soon at the communication is made we shall resume driving the 72 and 50 ends north, there is a very kindly lose in the 60 end, worth 70 lead per fm. The 72 end south, on east lode, to drive, at 24: 8s. per fm., the lode in this end is 4 ft. wide, composed of barytes, quarts, and lead, worth from 4 to 3 cwts. per fm. of the latter. The 72 end north, on east lode, to drive, at 31: 18s. per fm., the lode in this end has been disordered, but

GAWTON COPPER.—J. Gill, Jan. 18; In the 50 fm. level we have intersected a small eross-course, which has disordered the lode at present, but hope it will soon get into a more settled state; the ground is of a favourable character, and good progress is being made—pre-ent price for driving 41. 19s. per fm. In the 26 end west the lode has still a promising appearance, worth 101. per fm. The stope in bottom of the 24 fm. level, to the east of the winze, is worth 121. per fm. The lode in the stopes in the back of the 36 is from \$10.5\$ ft. wide, worth 201. per fm. We are busily engaged in dressing ore for the next sampling. engaged in dressing ore for the next sampling.

engaged in dressing ore for the next sampling.

GEIFRON.—Jan. 9: The 23, west of Pearce's shaft, on the south lode, is 3 feet wide, composed of gossan, and producing rich stones of copper ore; driven in the past week 4 feet. The north lode in the 13, west of Young's shaft, is 4 feet wide, and making in places rich squats of lead; driven 3 feet. In the deep adit cross-out we have driven through 10 ft. of wheel-pit lode, but have not reached the south wall as yet; so far as we have driven through, the lode is composed of barytes, clay-slate, and friable spar. We have made but little progress this week in sinking the engine-shaft, in consequence of the severe froat, we have lakely experienced, but the weather being now milder we shall fork the water, and resume slaking again.

GREAT HEWAS UNITED.—J. Webb, Jan. 13: We have nothing new in the 96, at Wheat Elitabeth shaft; the ground is rather hard to make great progress in driving. The lode in the 86 sast is small, with little tis. In the 86 west we are outing south; to find the lede after being shifted. The lode in the 66 west we are outing south; to find the lede after being shifted. The lode in the 66 west we are outing south; to find the lede after being shifted. The lode in the 67 west with the several fathoms in driving. We have taken down the lode in the 67 west with the several fathoms in driving. We have taken down the lode in the 67 west with the 18 will require full the man of the state of 18 we seed it there very much, but it will require full the man of the state of 18 we need it there very much, but it will require full the man of Fiday next, about 16 tons of tin.

GREAT SILES and the 18 men of the 18 will require full the man of the 18 will require full the man of the 18 will require full the man of the 18 will require full the 18 will requ

OREAT WHEAL VOR UNITED.—M. Wm, Martyn, Jan. 2: The pumping and winding-engines are working well. The water at Gress's and it to make 13 f. fine. Winding-engines are working well. The water at Gress's and it to the water indicated to 11 f. fathous below the 236 inst. 50 tons of tin.

Old 11 f. fathous below the 236 inst. 50 tons of tin.

ORENVILLE,—G. R. Oldgers, Jan. 2: The lode at the engine-shaft sinking below the 31 is fall 20 in. wide, of sugary spar, quarts, and goesan, with occasionally good stones of ore. The ground by the side of it is a softials gratine, which it and of opinion is getting stiffer. when I think we may fairly expect to find ore again.

ORENVILLE,—G. R. Oldgers, Jan. 2: The lode at the engine-shaft sinking below the 31 is fall 20 in. wide, of sugary spar, quarts, and goesan, with occasionally good stones of ore. The other bargains are progressing satisfactorily.

ORE TO THE CONTROL OF THE CONTROL OF

or 30°, per fm.—in fact, it is the best lode I have seen in the mine.

MOLLAND.—T. Bennetts, Jan. 13: The lode in the stopes in the back of the 20 east is looking much the same as last week, though the ground is, I think, a little casier for stoping. There is nothing new in outling down the shaft; the men are working diigently to get it finished with a slittle delay as possible. The engine works well.

NEW CROW HILL.—The 22 has much improved, and the lode on the south part has a leader of nearly solid lead, and the rest of the lode for about 2 ft. is good for blende; this improvement looks well, and shows the propriety of deeper workings on this lode. The stopes in the back of the 22 are producing less blende, but more lead than usual; the lode, in driving west from the eross-cut, is large and strong. The pitch in the 15 is somewhat improved for lead.—Jan. 9.

NEW THE LIGHT CONSILS.—I. Prince, Jan. 13: We have resumed sinking to be

pitch in the 15 is somewhat improved for lead.—Jan. 9.

NEW TRELEIGH CONSOLS.—J. Prince, Jan. 13: We have resumed sinking the engine-shat below the 90, too ground in which continues stiff, but as we approach the lole the groune will improve. The lode in the 50 end east is 18 in. wide, producing ore enough to pay for driving; the lode was brought small by a hard bar of ground, but it is again opening, and the indications are favourable for an improvement; in the same level west we have eat the wall of the lode, which is regular and well defined, and the indications are similar to those seen near the caunter lode in the level above. In the 40 west we have met with another branch split from the cross-course; it consists of very hard quarts; but the end is now in a favourable looking killas, and we hope to make greater progress in reaching the lode to the west of the cross-course.

NEW WHEAL VOR AND EAST WHEAL METAL.—Joseph Vivian, N. Thomas, Jan. 11: It is gratifying to be able to report a continuation of the flattering prospects of these mines, which are in no way absted since our last report, of Dec, 28. Our steam-engine does its work most satisfactorily, and we have sunk our engine-shaft on the great north lode 24 fms.; in our progress, however, we have been somewhat delayed, or taken aback, by suddealy coming on a hard bed of quarts; but it is now wearing out, and there is a very marked improvement in the lode itself. It is our

present intention to entiting the shaft to the depth of 30 fms., and then to sommence driving east to get at that depth under the splendid gosan looks before as. You are already aware that all the lode, which we are carrying 6 feet wide in the shallow adit, is (although only 10 fathough from the surface) producing low-prise tinstaff for the stamps, and we are preparing it secordingly. The appearance of the lode was never more encouraging than in the present end, which, as our shaft for ventilation will be holed in about a couple of days, we shall push on with great expedition; we shall also shortly commence to sink a winze on the great gossan, about 30 fms. east of the engine-shaft, to communicate with the 30, and from which we reckou upon good resultance of the lode of a termination for some time to come; and inasenuch as those extensive works are the best evidence of the value of this part of your property, we are the bette value of the part of your property, we are the bette value of the part of your property, we are the bette value of the value of this part of your property, we are the bette value of the value of the part of your property, we are the bette value of the value of the part of your property, we are the bette value of the value of the value of rich in the attle, or rubbish, and which we are now intring to account. In the last week we came upon an arch of ground rich in tin, which they left for no assignable reason that we could divine. This is extraordinary, for not withstanding it is clear that the lode in question has not been worked for two centuries, yet in this district especially tin must have been well known even at that round period; we argue, therefore, from the fact that the lode must at some time or other have been encouncily ide, and as the use of machinery was then slugether unknown, we very reasonably infer we shall find the lode rich in the bottoms. We are still obscine through large old workings on the Fark-an--i-op lode, and from the width of the gunnies, our progress just now i

as indicacion, or of themselves.

NORTH BASSET.—T. Glauville, Jan. 12: The lode at Grace's shaft is 3 ft, wide, yielding 3 tons of ore per fm. in the 82 the lode is yielding 2 tons of ore per fm. In the 82 the lode is yielding 2 tons of ore per fathom. In the 42 the south lode is yielding 1 tons of ore per fm. There is nothing new to report, on in any other part of the mine.

NORTH PRANCES.—P. Hosking, Jan. 9: The lode in the 45, west of Ealer's shaft. is 3 ft. wide, with a little ore; we are expecting ore in this end. The stopes in the back of the 45, west of Ealer's shaft, are looking wall, and worth 101, per fm. The lode in the 36, west of Ealer's shaft, is 5 ft. wide, and very promising, with some stones of good grey ore. The lode in the winze under the 36, west of Ealer's shaft, is 5 ft. wide, producing a little grey ore. The tribute ground is much the same.

NORTH TAYV.—R. Williams, Jan. 14: In the prospects of this mine there is no alteration since my last.

is 5 ft. wide, producing a little grey ore. The tribute ground is much the same. NORTH TAYY.—R. Williams, Jan. 14: In the prospects of this mine there is no alteration since my last.

NORTH WHEAL ROBERT.—I. Richards, Jan. 14: At Murchison's engine-shaft, in the 62 west, the lode is 18 fn. wide, composed of capel, quarts, and mundic, and is approductive. In the 52 west, containing mundin, quarts, caped, and a little ore. In the 42 west the lode is 18 feet wide, containing mundin, quarts, caped, and a little ore. In the 42 west the lode is 3 feet wide, and exceedingly promising, being composed of caped, an abundance of mundic, prian, quarts, and stones of rich ore; a specify improvement is anticipated. In the 30 west the lode is a good course of ore, worth 32 tons or fm.—Trial Shaft: In the 30 east the lode is promising, and er atalns a little ore. The boundary winze below the 42 west is down about 5 fms.; the lode is worth 23 tons of per fm. This where is for the present suspended, to admit of a stope of about 6 feet of ground west being brought down, which is for al, on re-disling the ground and fixing the marks, to be standing in this sett; the lode here is also worth 23 tons of ore per fm. This work will occupy about eight or nine days, when sinking will be again resumed.

OOLA.—J. Champir, Jan. 9: In consequence of the origine-shaft being so contracted in the bottom there is not sufficient room for the piwork. I have set the what to nine men to cut dywn 2 fms. above the bottom to divide, case, and put in a footway, for 10. I are also put the winzemen to take down the north part of the lode in the winze, "Arich produces some good stones of copper ore. I expect so shall be enabled to dr aw the stuff from underground with the steam-whim on Wedneeday roots, and are progressing satisfactorily with the work, and hope soon to be in a position to make returns of ore.

PK:)N-AN-DREA.—Capts. Carpenter, Delbridge, and Thomas, Jan. 9: In the 90, east, from the engine-shaft, on Martin's iode, the lode is from 2 to 3 ft.

the bottom of the 90, east from Smith's shaft, the lode is looking very kindly, and will produce from 1½ to 2 t.ms of ore per fm.

PENCORSOS.—H. B. Grose, Jan. 8: We have to-day weighed off the ore dressed on the floors (45 tons), and have about 30 tons more in the course of dressing, which will be sighed in about a fortnight. This quantity, and what we shall raise this month, 's all from ground that has before been worked, and thought to be valueless. I this we shall get to surface this month from 40 to 50 tons of ore from the pitches no: "I moviking, which will nearly pay the cost of the mine; and I am happy to inform you the prospects are looking a great deal better than when I came here, and I show shall with care and perseverance get on, and by encouraging the total care and the start of the shall get to surface this month from 40 to 50 tons of ore from the start of the shall get to surface this month from 40 to 50 tons of ore from the start of the shall get to surface, and I shall shall

open these points are certainly very encouraging. I would remark that the machinery works well.

REDMOOR.—T. Taylor, Jan. 10: We have taken down the lode in the 20 winze, which is not as good as I expected, owing to the ground becoming harder under the lode; I hope it will change again shortly. In the 50, they have holed to count-house shaft, but cannot well complete their bargain until we have cut a shaft-plat; the ground is very weak. We have set to them to cut a plat; If the yi If 7, and 8 ft. deces, within timber, also to secure the ground at per bargain 84. 8s., when done we shall have a good plat and railway in this level. The timberman and company will finish the shaft between the 70 and 80 within a day or two. The carpenters are engaged in erecting pully-stands, &c., and the engineers are getting on very well with their work. No other important alteration.

RESPRYN.—Jan. 9: There is a pitch set in the back of the 16 fm. level to two men, for the month, at 8s., in 14; and a pitch in the back of the 9 fm. level, east of the eatern slide, to two men, for the month, at 12s. in 14; both pares are getting of wages. We are gotting on with the sinking as fast as we can. Another report says, same date:—There is a course of ore cut at Respryn, in the end of the 9 fm. level east, worth at least 2 tons of ore per fm. This end was decided to be stopped at the general meeting, but a man came anxious to take it on tribute, and, notwith-standing there was no ore at the time, he almost immediately cut it—as fine rocks of ore as you ever saw. How long it may last I cannot say; if any alteration takes place I will write you.

— W. Tregay, Jan. 14: The engine-shaft is being sunk below the 16 fm. level by eight men with all speed; the men have not yet been able to open more upon the lode in the bottom of this level than appeared in last report, but so far as yet seen it is very good. The west end is being driven by four men, at 30s. per fm.; the lode is producing good spots of ore, and improving. There is a pitch working in

capstan are on the mine, and will be fixed fortwith, as soon as the remaining parts arrive, which I hope will be in a few days.

ROSEWARL HILL AND RANSOME UNITED.—Paul Roach, January 6: Since Dec. 30 we have not made the proficiency in the adit we had anticipated, in consequence of the troan being so very soft, requiring an unusual amount of care and isbour: thus have we been impeded, so that we have accomplished no more than about 8 ft., which, as it is, is quite as much as we can expect, but as the choke is short we hope to be through it soon. We are getting on with the steam-whim, and other surface machinery, as fast as possible.

— Jan. 13: We are nearly through the choke in the adit. Since I last wrote you, on the 6th inst., we have cleared 2 fms. of it, and hope in a short time to complete the whole; most of our men having been employed about it, little has been done cleave where for the past week, except the regular surface work, which is going on favourables. Whiling has been done about the steam-whim for the past week, the engineers having been called away to another mine to repair a breakage.

ROSEWARNE CONSOLS.—The engine-shaft is down 10 fms. 4 ft. under the 10, and I hope in a fortnight from this time we shaft be down to a 20 fathom level; if the ground holds as favourable as it is at present, we expect the lode at the shaft. Set the 10 end east to four men, at 51, per fm., 1 fm. seten, and I expect this will clear the cross-course. The 10 end west to four men, at 11. 13s, per fm., 5 fms stent; the lode is 1½ ft wide, opening tribute ground; we have a pitch working in the back of this could at 6d, in 11. The stope east of the cross-cut in the back of the 10 is set to four men, at 11. 10s, per fm., a fine of the month. The cross cut driving north from the tim branch is set to two men, at 21. 10s, per fm., We have a pitch working on the tim branch is set to two men, at 21. 10s, per fm., We have a pitch working in the thord of the new soutine, shaft in the 40, north of the new soutine, shaft the work

gress satisfactority.—Jan. 3.

ROUND HILL.—J. Kneebone: In driving out south in the 52 we have not yet cut the lode. In the 40, north of the new engine-shaft, the main lode is now about 6 in. wide, carrying a little ore; the caunter branch is 10 in. wide, producing good saving work. I expected the caunter branch would have intersected the main part of the lode by this time, but it has made a bend, and is running parallel with it; the end

will yield I ton of ore per fathom. The lode in the 40, south of new engine-shaft, is 3½ ft. wide, and of a very promising character, yielding 15 cwts. of lead per fm., and 3½ ft. wide, and of a very promising character, yielding 15 cwts. of lead per fm., and 32 tons of ore per fm.; No. 2 ditto will yield 1 cwts. of ore per fm.

SORTRIDGE CONSOLS.—J. Richards, Jan. 14: No alteration since last report.

STHREY WHEAL BULLER.—3. J. Reed, Jan. 11: We shall complete the necessary work at the existern shaft in two days from this time, such as cutting down the shaft, ercoting horse-whim, shaft tackle, &c. The cross-cut north will be commenced by the end of this work, as soon as the stoff is clerard now hodging in the adis level. Schneider's lode in the 59 cast is from 18 in. to 2 ft. wide, and looks promising to make tin in a short distance father driving—driven 4 feet.

SOUTH BEDFORD CONSOLS.—James Phillips, Jan. 14: The lode at Red Whim shaft is 3 ft. wide, worth 1½ ton of ore per fm. In the 62 cast the lode is 2½ ft. wide, producing 1½ ton per fm.; in this level west the lode is 2 ft. wide, yielding saving work.—South Lode: The lode in the 36 cast is yielding good saving work. In the winze sinking in bottom of the adit level the lode is worth 1 ton of good ore per fm. SOUTH CARN BREA.—Thos. Glanville, Jan. 9: Tuwork Setting: The deep dait cross-out to drive south of the engine-shaft, by six men, at 9!, per fm., the end is still in grantle, and no lode has yet been intersected. The 58 to drive weat of the fist-rod shaft; by six men, at 9!, per fm., the end is still in grantle, and no lode has yet been intersected. The 58 to drive weat of the fist-rod shaft; by six men, at 9!. per fm., in the present end the lode is unproductive. The 58 to drive 'cast of the fist-rod shaft; by four men, at 3!, per fm. The flat-rod shaft is down 1. fms. 3 ft. below the 58; set to 12 men, in the Internal the set were the lode is 24 ft. wide, vielding to the productive. The 9! were the lode is 20 ft. wide, vielding to 1 the present of t

in granite, and no lode has yet been intersected. The Sie derive weak-of the fish-trod shaft, by wik mcgs, at 92, per fun.; in the present end the lode is unproductive. The 35 to drive wast of the fish-trod shaft, by four men, at 31, per fun. The fish-trod shaft is down 12, funs. 3 ft. below the 35; set to 12 men, to cut plat, at 81, per fun.

SOUTH CRENVER.—Captains J. Delbridge and E. Chegwin, Jan. 12: In the 94 west the lode is 20 in, wide, yielding 1 ton per fun. In the 74 west the lode is 20 in, wide, yielding 1 ton per fun. In the 74 west the lode is 20 in, wide, yielding 1 ton per fun. In the 74 west the lode is 10 in, wide, ocuationing good stones of ore. In the 34 west the lode is 12, ft. wide, yielding 1 in on per fun. In the 74 east the lode is 10 in, wide, ocuationing good stones of ore. In the 34 west the lode is 21, ft. wide, yielding 1 ton per fun. In the 74 east the lode is 10 in, wide, ocuationing good stones of ore. In the 34 wide, yielding 1 ton per fun. Our tribute pitches are without change to notice. We have the new bolier on the mine, and the men are putting it in its place with all dispatch.

SOUTH DOLCOATH AND CARNARTHEN CONSOLS.—Wm. Roberts, Jan. 12: Nothing new to report this week.

SOUTH LADY BERTHA.—W. Goss, Jan. 14: Having cleared up the winze, and taken down some of the lode, yesterday the men began to haul some of the work to surface; in the afternoon we drew up about 2 tons of ore, worth (say) 107, per ton. The men are drawing up to-day work of the same description. For you, and others interested, I send a small box of the ore. We shall continue to drive and stope where the lode is of the most promising character, composed of mundic and copper ore, equal to the specimens it send you, and by continuing on this work we shall soon but in position to make a small sampling.

SOUTH WHEAL TOLGUS.—Youren's Lode: Michell's sumpmen are going on with their contract—cutting plat, &c. The lode in the rise in back of the 110, west from Michell's, is 10 in, wide, producing 34, tons of ore per

I cwits.; No. 3, 8 cwiss.; No. 4, 5 cwiss.; No. 5, 6 cwits.; No. 6, 20 cwts.; and No. 7, 10 cwis. of lead per fm..; the two stopes in back of this level are yielding, respectively, 9 and 5 cwits, per fm.

TAVY CONSOLS.—Richsrd Williams, Jan. 14: The prospects of this mine are improved. The stope in the back of the 56, where we were stoping the lode for tin, has become good for the production of copper, and in the back for 12 ft. long it is worth 4 toos of good ore per fm., with the appearance of further extension and improvement. The shaftmen are engaged in the above stope at present, but on next setting-day, the 22d inst., we propose letting it on tribute, and to place the shaftmen either to sink or drive the 80 cast, as may be decided on. The pitches in bottom of the 56, and back of the 36, are without material alteration.

TREMOOR CONSOLS.—H. B. Grose, Jan. 12: The operations at this mine are progressing in a very satisfactory manner. The masons are getting the walls of the wheel-pit nearly up for receiving the axie of the large water-wheel. The carpenters are also getting on well with their work, and will commence to put the wheel together after this week, when no time will be lost in getting the machinery to work, and residently again the underground operations. The surface men have been employed in leveling ground for the fist-rods, clearing out bob-pit, building changing house, making whim-round, capatain-round, and other necessary work that will be required for the proper working of the mine. We shall next week commence to fix the flat rods and the capatan and shears, in readiness to drop the pitwork by the time the wheel is ready to work, which I hope will be in a month from this time.

TREFOOL.—R. Rich, Jan. 9: The lode in the eastern adit is still looking well, but little has been done there since I wrote you yesterday; we intend to put two men to work on the ore in the back, and to keep six men driving the end; the men have been squaring the ground in the end for some days, therefore nothing has bee

since last report.

TREVOOLE.—H. Stephens, Jan. 13: A rise in back of the 80 is producing 6 tons of copper ore per fm. Other parts of the mine are much the same as last reported.

TREWANE UNITED.—R. Reynolds, Jan. 12: I fully expected to have cut the lode in the 35 before now; the cross-cut has been driven 13 ft., and I am inclined it think the lode has made another warp or turn, similar to the one between the 20 and 30. We have driven through one or two branches containing mundic, jack, and lead, there is also a little water coming out of the end, and the ground is somewhat easier for driving, therefore I think we cannot be far from the lode.

TREWEFIA.—J. Richards, W. Rowe, Jan. 13: The engine-shaft is down 8 fms. I ft. below the 70. The 70 end south is worth 4i. per fm. We have commenced a winze in the bottom of the 50, north from the engine-shaft, where the lode is worth 4i. per fm. All other parts of the mine are without change. The new boiler answer exceedingly well. We sampled on Monday last 15 tons of crop orce.

UNITED MINES (Taylatock).—J. M. Champion, Jan. 14: The lode in the 36 is

UNITED MINES (Tavistock).—J. M. Champion, Jan. 14: The lode in the 36 gain improving in quality, it is full 3 ft. wide, and worth 17t. per fan. The water rained from the bottom of the engine-shaft, and the sinking of the same resumed.

drained from the bottom of the engine-shaft, and the sinking of the same resumed.

VALE OF TOWY.—S. Harper, T. Harvey, Jan. 12: We have commenced sinking Clay's engine-shaft below the 60 fin. level for bearers and cistern. The lode in the 60, south from this shaft, is 4 ft. wide, composed of barytes and killas, mixed with fine impse of lead, but not to value; the same may be said of this level, north; we consider these very kindly ends. The lode in the 50 north is 4 ft. wide, disordered and poor; we think it will not continue long so, as we have a fine end coming from Bonville's shaft. The lode in the 50, north of Bonville's shaft, is 4 ft. wide, worth 25 cwts. of lead per fathom; in the same level south the lode is 4½ ft. wide, worth 25 cwts. of lead per fathom; in the same level south the lode is 4½ ft. wide, worth 20 cwts, of lead per fathom. The lode in the 40, north of this shaft, is 3½ ft. wide, of much the same character as last reported, then producing 6 owts. of lead per fathom. The lode in No. 2 winze, in the bottom of the 40, north of Clay's engine-shaft, is 3 ft. wide, worth 4 cwts. of lead per fm. In the 50, south from Field's shaft, the lode is very large; we are only carrying about 4 or 5 ft. of it, in which we find fine deposits of lend. The boak of this level is 2 ft. wide, worth 15 cwts. of lead per fm. In driving the 20 west, on the cross lode, there is no alteration to notice in the past week; the ground is still favourable for driving. Our pitches are looking much the same as for some time past.

VIETCOUS LADY AND WHEAL BEDFORD CONSOLS.—J. Metherell, Jan. 14:

VIRTUOUS LADY AND WHEAL BEDFORD CONSOLS.—J. Metherell, Jan. 14: The lode in the pitch up the straights is improved, now worth 5 tons, or 40% per fm., with every prospect of continuing. No alteration in any other part of the mine. VENTON.—T. Richards, Jan. 9: We have intersected another very small branch, containing spots of lead ore, and I have no doubt whatever the main portion of the lode is still ahead. The ground is wet and troublesome, consequently slow.
WEST BASSET.—Wm. Roberts, Jan. 12: On the north lode, in the 114 west, the lode is 3 ft. wide, producing good stones of ore. The 94. west of old engine-shaft, produces good ore, lode 2 ft. wide. In the 75, west of Percy's, the men have been taking up a piece of level, and putting in tram-road, therefore little has been done in the ries since last reported; the stope in the bottom of this level shows a good couree of ore gone down, which looks well for the next level. The winze under the 65 produces 2 tons; the 52 west, 1 ton; and the 42 west, 1 ton of ore per fm. Other opera-

tions, such as putting in ship-road, fixing pulley-stands, &c., for Percy's whim-engine, are progressing satisfactorily.

WEST CRINNIS AND WHEAL REGENT UNITED.—J. Webb, Jan. 14: Webave taken up the two 14-in, backet-lifts (20 fms. each), and fixed a 10-in, plunger in the flat-rod shaft, which is keeping off the water with three strokes per minute; this will be a great saving; the large lifts were not only unnecessary since damning beak the north water, but occasioned great expense in capstaning; the working barrels were so destroyed by the strong copper water, that the buckats required changers are recompleted the timber work, and secured the large broken top of Regent engine-shaft, cleared out for bob-pit, and fixed horse-whim. We shall how commence clearing up the rubbish to the 40, where we shall have to drive 27 fms. from Belt's lode, to discharge the pump water; in the interval we shall be fixing the bobs, and continue the flat-rods from the present ran of rods to Regent shaft. I calculate it will require full two months to complete this work, and commence the pumping below the 40. We have sufficient material in readiness—capmence the pumping below the 40. We have sufficient material in readiness—capstan, shears, horizontal and perpendicular reds, pumpwork, &c. In the 30, on Bell's tode, we are laying out a good deal of ore, but not of high quality. We sampled on Monday last, computed, 63 tons.

WEST GRENVILLE.—S. Berryman, Jan. 11: The stopes in the back of the adit. flevel have been rather disordered in the past week by the elvan course, which I am iglad to say we have passed through, and find the lode is looking better now, worth rom 51, to 64, per fm. In the adit level west the lode is I/5 fk. wide, composed of ton, prian, and spar—a fine looking lode, producing a little tin, but not to value.

WEST PAR CONSOLS.—J. Webb, Jan. 14: The lode in the 45 cast is divided by a horse of killas, but still large and promising, producing in and copper. We have sut through the west lode in the 55, and find it 2 fk.

com ar. to set, per rm. as the sent acres was the seven in the sent and compared from print, and agree— fine location and acre 1. The sent and the per compared to the

in consequence of not having sufficient horses to discharge the stun creating in the level, we are obliged to suspend this and the 60 west for a few days, and have put the men in the 50, east of the caunter, to fix a tramroad. In the 50, diving east on the in lode, the lode is 4g, twide, producing this, set to four men, at 51, 10s, per fm. In the 50 west, on the tin lode, the lode is divided into branches; we have suspended the driving of this level for the present, until the tramroad is complete to the end. In driving south from the north lode, in the 70, about 15 feet south, we have cut a branch 6 in, wide, producing spar and a little ore; we shall continue the driving of this level in the same direction; set to four men, at 31, per fathom. In the 50, driving west on the north lode, the Inde is 1 \(\xi_0 \) for which, worth 1 too of ore per fathom; set to four men, at 31, per fathom. In the 40, east from the western shalt, we have set a winze to sink by four men, at 32, per fathom; the lode is 1 foot wide, containing stones of ore. I shall 'oe able to give you more particulars about the next sampling of ore in my next.

WHEAL TREBARYAH.—B. Gundry, F. Hosking, Jan. 12: We have taken down.

sampling of ore in my next.

WHEAL TREBARVAH.—B., Gundry, F. Hosking, Jan. 12: We have taken down about 3 feet of the lode at flat-god shaft, which has produced 1 ton of copper ore, and had there not been a horse of killas in the lode it would have produced much more, the lode altogether being 2 freet wide. The 60 is now driven west from the engineshaft, as it is nearer for putting back the stuff to shaft, thus leaving the 60, east from flat-rod shaft, clear for the tribute pitches working in that level; those pitches are looking well, and working at 6s. in 1l. There is nothing new to report on in any other part of the mine. We expect to sample about 80 tons of copper ore at our next sampling.

the last, where the sampling.

WHEALT RELAWNY. --W. Jenkin, W. Bryant, Jan. 14: Smith's shaft is sunk of the sampling.

4 dns. 1 ft. below the 142. The lode in the 142, south of the cross-cut, is 3 ft. wide, and worth 14. per fm. The lode in the 132, north of Smith's, is 2 ft. wide, and worth 14. per fm. In the same it releases the lode in the wines sixking below this level, south of Smith's, is 3 ft. wide, and worth 14. per fm. In the 13. per fm. The lode in the wines sixking below this level, south of Smith's, is 3 ft. wide, and worth 14. per fm. In the 13. per fm.

In the 108 north it is 2 ft. wide, and worth 6t. per fm.—South Mine: The lode in the 142, south of Treisway's shaft, is 3 ft. wide, and worth 5t. per fm. In the northend the men are still engaged in cutting through the capels of the lode. The lode in the 130 south is 3 ft. wide, and worth 1tt. We have commenced to drive the 107 end north, where the lode is 20 in. wide, containing a little ore. We have also commenced to sink a winze in the botton of the 92 north, the lode in which is 3 ft. wide, and worth 10t. per fm. The stopes in the back of the 108, north of Chippendale's, are not quite so productive as they have been.

WHEAL UNION.—T. Gianville, Jan. 8: The following is the tutwork setting:—The 30 to drive west of engine-shaft by six man, at 3t. per fm.—The 20 to drive west of engine-shaft, on the south lode, by four men, at 3t. per fm.—to the 20 to drive west of engine-shaft, on the north lode, by four men, at 3t. per fm.—to 20 to drive west of engine-shaft, on the forth lode, by four men, at 3t. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. per fm.—to 20 by four men, at 3t. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men, at 3t. log. per fm.—to 20 by four men,

ing: we have driven through a branch of the civan course. In the north cross-cut the ground is much the same.

WILLOW BANK.—J. Sanders, Jan. 11: Since writing my report on Saturday, I have been searching every hole and corner, to find out where the water was coming out of the mine; the result is a follows:—About 20 fms. west of the wheel-pit, at a lavel corresponding with the top of the water in the shaft, I found the water on one side of the river very much discoloured, by which I was led to believe that this was the place where the water was coming out. I put a har of iron down in the bed of the river. A first a share the water than the water that have a complex of the same up very black. Since then we have turned the river on one side, and resumed the pumping, and I am happy to say that as the water forcked in the shaft, so it went down in the bed of the river. We have taken up the water from this place with launders and other temporary things, and cleared up the river; by so doing we have found a very loose, hollow lode crossing the river, the size and character of which I cannot say at present, as there has not been time as yet to open it. The lode is 5 fms. north of the radin lofe, and the place the water was going down is 20 fms. west of the cross-cut. We shall commence to-morrow to out a new course for the river, and after we have accured the water we shall open a little on the lode, to ascertain its bearing and appearance. The water we shall open a little on the lode, to ascertain its bearing and appearance. The water we shall open a little on the lode, to ascertain its bearing and appearance. The water we shall open a little is a branch, or the capels of a lode, coming in from the south aide of the shaft, which is a potted with ore, and which we shall see more of when we resume sinking again. The sumpmen have commenced to-day to divide down the engine-shaft, preparatory to drawing with the machine, which we shall get to work as soon as possible. The lof fm. level is set to advive at 4.5 ss. per fm. We

The Great Whral Vor committee of investigation have issued their reort in anticipatir n of the meeting to be held on Wednesday, from which the follow-g is condensed: —" After a laborious and, so far as the time allowed, a careful in-contion of the books of the company, which were submitted to our examination, and ing is condensed:—"After a laborious and, so far as the time allowed, a careful inspection of the books of the company, which were submitted to our examination, and elicitir, galso the eridence of all three persons within our reach who we considered could, give us testimony on the different matters to be enquired into, we have, from the abundant information derived from those rourses, arrived at the conclusion that the committee of management have wholly failed in exercising that salutary supervision over the company's affairs which their duty to the shareholders imperatively required. From the very commencement there seems to have been extraordinary, and almost uncontrolled, powers allowed to the managers. The report is divided under the following heads:—The original constitution of the company is the income and expenditure; the present position of the mines; and suggestions for the future management. The original constitution of the company has been aiready published. The income and expenditure shows, upon the capital account to Dec. 21, 1837, there had been received, 283, 3064. 4. 2d.; expended, 294, 7594. 3s. 10d.—Present position of the mines: Whilst we must refair from giving any opinion of our own, of which, indeed, we feel incompetent, not being miners, we must state that the concurrent testimony of all such mining capitals and persons, on whose intelligence and judgment we thought reliance might be placed (and we took great pains to elicit the value, and one which is deserving attention; and if properly and judiciously managed will, and one which is deserving attention; and if properly and judiciously managed will, and one which is deserving attention; and if properly and judiciously managed will, and one which is deserving attention; and if properly and management. The result of our investigation, after the most deliberate consideration, is, in addition to a London management, that there should be a local committee, to consist of no less than four shareholders, who should superintent and direct the wo

The Torbane Hill Mineral.—The case of Russel v. Gillespie will shortly be heard in the House of Lords, and anything that is calculated to decide what is and what is not coal is, therefore, of the greatest interest. It is an accepted rule that an argument cannot be carried on unless the disputants have some single point on which they agree, and which they agree, and which they agree, and which they agree of soal, and the distinction between it and other similar substances, than that given by Prof. Göppert, a translation of which was inserted in the Mining Journal of Dec. 26. This definition being accepted, there can be but little difficulty in deciding the nature of the Torbane Hill mineral, and hence the rights of the parties to the suit, as it is acknowledged that it consists of about 25 per cent. of arrillaceous base, combined with 75 per cent. of oil. The clay is of a peculiar nature, and capable of extended industrial application; but the most important ingredient is the parafine oil, which is obtained from the mineral by the simple means of subjecting it, when broken into small pieces, to the action of a slow fire. The oil thus yielded passes through stages of chemical purification of the simplest nature. It passes through or more of these stages, according to the object had in view. This oil has several singular properties. Unlike other oils known in commerce, it suffers no detriment from exposure to the atmosphere. It is not liable to that oxidation or oxygenation which affects other oils, and destroys in its course so large a proportion of all objects in Nature. It is employed for intricating machinery, and, being capable of being made as thin and fine as the purest brandy, it will labricate without clogging, and successfully, the most operose and delicate machinery, not being liable, as we have said, to corrosion from the injurious influences of atmospheric air. This parafine oil of which we have, and country house generally; and this leads us to another application of this important mineral substance,

MINING IN THE ARIZONA DISTRICT.—Some considerable discussion has alken place in the Mining Journal, with reference to the mineral wealth if the Unites States territory known as the Gadsden Purchase, which all illow to be capable of yielding both copper and silver in abundance, capital and energy alone being required to overcome the local difficulties which as ever been so loudly spoken of. The Gadsden Purchase was, immediately upon its equisition, annexed to the territory of New Mexico, which has all the capabilities or being formed into two or three independent and gigantic states. A movement has been commenced at Washington for forming the Mesilla Valley lands into a sepaste state, to be called "Arizona;" and it is anticipated that the mining activity of an new state will surpuss anything hitherto winessed, a brief reference to the sweeral imbrace 90,000 square miles, and is watered by the Rio Grande, Gilla, and Colorado, be Arizona Coppen Miniso Company is incorporated under the laws of alifornia, has a capital of 200,0004, and, at a large expense, has supplied the mines ith water, extracted several hundred tons or ore, and erected buildings, smelting rinuces, and other appliances to facilitate their working. It is said that the cost of a ore delivered at Swances is 25t, per ton, that it is there worth from 40t, to 75t, per n, and that a portion of the mine is owned by English capitalists. The Somona RPLORING AND MINING COMPANY was established in 1856 by some citizens of Ohio, lith a capital of 400,0001, and has purchased the rando of Arivaca, containing veral cityer mines, and 17,600 acres of valuable land: the offices of this company is in Cincinnatt. The Boroar Sirvac Minis affords its propertor a handsome proparities will, however, it is anticipated, yield the greatest results; since the ores tantaken from the vein and immediately shipped down the Colorado to the head of Gailfornia, where they can be transhipped to England at a small cost. Iwards of Coulornia, where they can be transhipped to England at

STREEL,-We learn that the Uchatius process has been tried by an review of the manufacturer in Ebenish Prussia with but indifferent success, it may difficulty in obtaining uniform results. We hope shortly to be in posses farther information with reference to the progress of the invention in Prussia. We hope

Che Mining Market; Brices of Metals, Ores, &c.

METAL MARKET, London, January 15, 1858.

Copper wire	BRASS. Per lb. Sheets 11d11¼d. Wire. 10¾d11d. 10¼d11d. 14d15d. 14d15d.
3ottoms , 0 1 0% - 1 1	FORKISH STREE, Per Ton.
Old (Exchange) 0 0 10%	Swedish, in kegs 22 0 0
dest selectedp. ton 110 10 0-	to arrive 21 0 0-21 10 0
Tough cake ,, 107 10 0	Ditto, in faggots 23 10 0 24 0 0
file	English, Spring 18 0 0-23 0 0
**	QUICKSILVER
taon. per Ton.	
Bars, Welsh, ir London . 7 10 0-8 0 0	SPELTER. Per Ton.
7 50-	Foreign 25 0 0-25 10 0
(ail rods 8 0 0	To arrive (nom.)
Stanord, in London 9 0 0- 9 10 0	stivo.
Bars ditto 8 15 0-10 0 0	In sheets 34 0 0
Hoope ditto 10 0 0-10 10 0	TIV.
heets, single 10 .0 0-10 10 0	English, blocks
Pig, No. 1, in Wales 3 15 0- 4 5 0	Ditto, Bars (in barrels) 109 0 0
Refined metal, ditto 4 10 8- 5 5 0 Bars, common, ditto 6 7 6- 6 10 0	Ditto, Refined111 0 0
	Banca
Ditto, railway, ditto 6 10 0- 6 15 0 litto, 8wed. in Lon 14 0 0-14 10 0	Straits112 0 0-113 0 0
in stock to arrive	TIN-PLATES.*
Pig. No. 1, in Clyde 2 18 0- 3 0 0	ICCharcoal, 1stqua. p. bx. 1 13 6- 1 14 0
Ditto, in Tyne and Tees. 2 15 0- 3 0 0	IX Ditto 1st quality . 1 19 6- 2 0 0
Oitto, forge 2 15 0	IC Ditto 2d quality 1 11 6- 1 12 0
Staffordshire Forge Pig. 4 10 0- 5 0 0	IX Ditto 2d quality , 1 17 6- 1 18 0
Welsh Forge Pig 3 0 0-3 5 0	IC Coke 1 7 0-1 7 6
	IX Ditto 1 13 0- 1 13 6
English Pig 21 10 0-22 0 0	Canada plates p. ton 15 0 0-15 5 0
English Pig 21 10 0-22 0 0 Ditto sheet 22 15 0-23 0 0	In London; 20s, less at the works,
Dittored lead 24 10 0-24 15 0	The state of the s
Ditto white	Yellow Metal Sheathing p. 1b. 104 -
Ditto patent shot 25 10 0	Wetterstedt's Pat. Met, p.ewt. 2 2 0
Spanish, in bond 21 10 0-22 0 0	Indian Charcoal Pigs)
American none.	in London
At the marks to	to 1s. 6d. per box less.

REMARKS.—The improvement that has lately taken place in the demand for metals generally continues to increase, and great firmness is now evinced by most sellers. Not only have prices assumed an upward tendency, but in many cases business has been transacted at advanced rates. The existing feeling seems favourable to extended operations; it is, therefore, not improbable the most sanguine expectations may be realised in a short time: the reduction in the Bank rates yesterday greatly encouraging such prospects. The only movement that is likely in any way to interfore with the general progress of trade is too much eagerness on the part of sellers to obtain enhanced rates; a few speculative purchases being effected very soon influences holders to demand higher prices, but unless quotations are based upon the legitimate demand, we shall probably be subject to a good deal of fluctuation. At these low prices speculators, now that money is getting so much cheaper, may be inclined to operate, but if sellers wish to preserve a steady market it is necessary to exercise much caution in such operations. Foreigners will have observed the reduced quotations, and, doubtless, will be ordering over all descriptions of metals in large quantities, at limits ruling about the current prices, but, as a matter of course, these orders will be returned should the market advance in the meantime, and consequently bona fide business suspended until further advices. We trust that prices will rise gradually, and not be forced beyond a proper point. be forced beyond a proper point.

COPPER.—There is more enquiry for shipment; very many orders have been put in hand for sheet and sheathing. Cake has also been in better request; several parcels of foreign have changed hands at rising prices.

been put in hand for sheet and sheathing. Cake has also been in better request; several parcels of foreign have changed hands at rising prices.

IRON.—In rails there has been a further improvement in prices, and 6l. 10s., nett cash, has been paid for several thousand tons, and 6l. 15s. less 3 per cent. discount. English bars are held firmly at 6l. 10s., h.o.b. at the works. Swedes iron, of Indian specification, is now quoted 14l. In Scotch pigs there has been a steady but quiet market, mixed numbers for the most part having been sold about 56s. 6d.; sellers on 'Change quoted 56s, mixed numbers, g.m.b., f.o.b. in the Clyde.

LEAD.—Sellers report a little better feeling in this metal, prices, however, are not any higher. The market closes steady, and quotations are firm at 21l. 10s. to 22l. for English pig, and 22l. 15s. for sheets.

Spelten.—Within the last few days 20s. per ton upon previous rates has been paid for about 200 tons; small parcels have been sold at 26l.

Tin.—In English qualities at present no alteration in fixed prices has been announced; nevertheless, smelters object to soll in the market, and a rise is, therefore, shortly anticipated. Straits and Banca have advanced; both these qualities have been reported to have been sold at 115l., but since buyers state that they have purchased at 110l., there appears at the moment some slight difficulty in quoting the correct price, consequently the medium would perhaps be nearest to its value; the principal of the enquiry seems to emanate from parties desirous of speculating, and under such circumstances it scarcely appears right to make any change in English until the true position of the moment arrevedet, the last accounts stating the market to be rather quiet at 67 fls. To have a substantial reason for raising theaprice is essential, otherwise, perhaps, smelters would have to concede again, which would be unwise in the present state of things.

raising the price is essential, otherwise, perhaps, smelters would have to concede again, which would be unwise in the present state of things.

TIN-PLATES.—Large parcels have been sold, and we now quote 1s. per box higher, but few manufacturers will sell under 26s. to 27s. per box, f.o.b. at the works

STERL.—Our market is nearly cleared out of hammered Swedish keg; rolled still remains at 17*l*. to 18*l*.

LIVERPOOL, JAN. 14.—Our Iron market continues to exhibit an improved tone generally, and a considerable business has been done in Welsh bars at 7l. per ton, f.o.b. here, the minimum figure for good brands. Makers are indisposed to accept large specifications, or contracts for forward delivery, even at present prices. For Staffordshire Iron, also, there is more demand, now that prices are definitively fixed, and for good makes current rates are well supported. Sootch Pig-iron rules rather lower than on this day week, the business transacted having been very limited. The shipments are good for the season, being 6905 tons, against 5067 tons for the corresponding week of last year; the market closes quietly, at our quotations. English Tin shows no change, and the demand is steady; foreign has advanced in price during the week, consequent upon an increased enquiry. Tin-plates are considerably firmer, and prices show an upward tendency; a fair business has been done during the past week. The demand for Copper is quiet; prices remain unaltered. Lead is in but limited request, and for a good quantity lower prices would be accepted. The following are the quotations:—Iron: Merchant bar, 6l. 16s. to 7l. 6s. per ton.—Tin-plates: Charcoal, 1C, 32s. 6d. to 33s. 6d. per box; coke, IC, 27s. to 27s. 6d.—Lead: English sheet, 23l. per ton; English pig, 22l.—Copper: Cake and tile, 107l. 10s. per ton; sheathing and bolt, 1s. per 1b.—Yellow motal sheathing, 10d. per lb.—Steel: Blistered, 30l. to 40l. per ton; spring, 18l. to 24l.; cast and shear, 50l. to 60l. 50% to 60%.

ROTTERDAM, JAN. 12.—Within the last few days a little more has been doing in Banca tin; 500 slabs have been sold at 65 fls; 200 at 66 fls.; and 300 at 67 fls.

BOMBAY, DEC. 18.—The sales of metal have been limited, and price have somewhat declined. British bar-iron fetches from 33.4 rs. to 34 rs per candy; hoop and sheet iron, 6 rs. per cwt.; tile copper, 64 rs.; shee ditto, 72 rs.; spelter, 16.8 rs.; yellow metal sheathing, 60 rs. Freights are lower.

Plumbago may be purchased at lower rates; Ceylon, 7s. to 11s. per cwt.; German, 8s. to 10s.; and Spanish, 7s. to 10s. per cwt. In the corresponding week of last year Ceylon was worth from 10s. to 14s.; German, from 8s. 6d. to 13s.; and Spanish, from 7s. to 12s.

The price of English Shear Steel has not materially varied for some time past; it is now quoted 40t, to 55t.

Lump Arsenic sells at 22s, per ewt., being an advance of 1s. 6d. as compared with the corresponding week of last year; and powdered at 13s., being an advance of 6d.

Antimony ore, crude, and regulus, are quoted the same as last week, but no business is reported.

The demand for Saltpetre has improved, and during the past week a large quantity has changed hands. Ref. 14 per cent. is worth 34s., although privately transactions have been effected at lower rates, parcels of ref. $11\frac{1}{5}$ to 11 per cent. having changed hands at 34s., and $7\frac{1}{4}$ to 7 per cent. at 38s. Refined fetches from 41s. 6d. to 42s. 6d. At the close of last

week there was nearly three times the quantity in stock as at the close of the corresponding week of last year. On Thursday the advertised sales were large, and an extensive business was done, without material change in prices. About 1200 bags of ref. 15 to 14 pc. cent. sold at 35s.; 3 per cent. realised 37s. 6d.; and fine crystal 41s. 6d. On Tuesday 564 bags, and on Wednesday 52 bags, of Bengal are advertised for sale.

MINES.—The demand for mining shares has increased during the week, so that great difficulty has been experienced in getting stock to deliver. Purchasers seek to buy at quotations which they have been accustoraed to see for a long time past, whilst holders are not anxious to sell, even at advanced rates. Banca tin has advanced to 1151, per ton, and both copper and

purchasers seek to buy at quotations which they have been accusatorned to see for a long time past, whilst holders are not anxious to sell, even at advanced rates. Banca tin has advanced to 115t, per ton, and both copper sad lead are firmer. Thus, with the cheapness of money, and the want of meanw to employ it, a greatly increased amount of attention will be directed towards mines, and already the enquiries for good stock on the part of the public are unprecedented. Many mines are now being purchased to pay 20 per cent., but such will not long be the case, from the general advances in prices, and a range of 10 to 16 per cent. on good mines is the percentage likely to be kept up. Progressive mines, and low priced speculative shares, as are also in demand, and looked upon by many as the favourites.

Devon Consols keep at 420 to 425; Wheal Edward, 7½ to 7½; Lady Bortha, 16s. 6d. to 18s. 6d. In Trelawny a very large business has been doing, at 26½ to 27½; at the meeting, in a few days, a dividend of 2t. per share can be declared, and a large balance carried over, whilst the late ore broken by the manager from the 142 (bottom level, just out) has been as assayed, and yielded 30 per cent. for lead and 116 oss. 13 dwts. of silver to the ton of ore; the average quantity of silver to the ton last year, from the upper levels, was 40 oss. to the ton. Mary Ann shares have been once anquired for this week, at 44½ to 45½. Tamar Consols, 20s. to 21s., and enquired for; East Basset, 92½ to 97½. Basset in demand, at 150 to 21°C, but no sellers to be found; South Frances flat, at 195 to 200°C. West Basset have been sought after, at 23½ to 24½, 25; North Basset not quite so good, at 14 to 15; Alfred Consols, 12 to 13, and very little doing; in Great Alfred there is more doing, at 4½ to 4½. Margery shares in demand, and have been done as high as 9; the mine has greatly improved, and looking better now than when shares were double the present price. Redmoor, ½ by and a very large business done, the low price tempting many who prefe

Mining Exchange Official List of transactions during the week :-

Mining Exchange Official List of transactions during the week:—

Saturday, Jan. 9.—Great Alfred, 4 to 4½; Great Baddern, 16a; Lady Bertha, 6a. 6d, to 17a.; Margery, 6¾, 7, 7, 7, %; North Basset, 14¾ to 15½; Virtuous Lady and Bedford, 22a. to 24a.; Wacai Trelawny, 26¼ to 27.

Monday.—East Gunnis Lake and South Bedford, 1½ to 1½; Great Alfred, 4½, 4¾, ¼, Kelly Bray, 22a. 6d.; Lady Bertha, 16a. 6d. to 17a.; Margery, 8 to 3½; lendeen, 3 to 3 -3 1c; Sortridge Consols, 28a., 29a., 26a., 27a.; Vale of Towy, 16a. 6d. to 17a. 6d.; West Grenville, 4a., 4a. 6d., 3a., 3d., 4a.; Wheal Grenville, 8a. 6d. to 3a. 9d.; Ari, 7a. 6d. to 3d.; East Russell, 24. 18a. 9d. to 3 1-16; Great Alfred, 4, ¼, 4½, 1¼, 4½; Great South Tolgus, 15; Hender, 24; Lady Bertha, 17a. 6d. to 8a. 6d.; Margery, 84; Fendeen, 3. 3½, 3½; Sortridge Consols, 28a. to 29a.; Tolsden, 5½ to 5½; Wheal Trelawny, 26½ to 27½.

WEDMEROAY.—Alfred Consols, 12½; Great South Tolgus, 14½ to 14½; Par Consols, 17, 174, 174, 174, 18; Braswarne United, 21; West Bussel, 23¼ to 24; Wheal relawny, 26½ to 27½.

Trussoay.—Redmoor, 7a. 6d. to 10a.; Sortridge Consols, 13a. 8d.; St. Day United, to 1; West Bassel, 24¼ to 23; West Grenville, 4a.; Wheal Grenville, 1½; Wheal

Frelawny, 25% to 27%.
TRUGROAY.—Redmoor, 7s. 6d. to 10s.; Sortridge Consols, 13s. 8d.; St. Day United, 3t to 1; West Basset, 24% to 25; West Grenville, 4s.; Wheal Grenville, 1%; Wheal Trelawny, 27, 27%, 26%, 27% to 15%; Pendeen, 3 to 3%; Sortridge Consols, 7s. to 28; West Grenville, 4s. to 4s. 31.; Whoal Edward, 7%; Wheal Mary Ann, 44%; Trelawny, 26%, 27, 27%.

On the Stock Exchange, the following business has been transacted:-

On the Stock Exchange, the following business has been transacted:—
SATURDAY, JAN. 9.—North Frances, 11½.

MONDAY.—Great Wheal Alfred, 4½; Wheal Trelawny, 27; Australian, ½; Marinita, ½; United Mexican, 4½, 4¾, 4¾, 4¼, —Transactions, though not officially marked: Group theal Alfred, 4½ to 4½; Alfred Consols, 12½ to 13; Par Consols, 17½ to 18; Wheal Trelawny, 24½ to 27½; Great Wheal Vor, 1½; Whoal Mary Ann, 1½ to 45; Mghth Frances, 11 to 12; North Crofty, 4½; Vale of Towy, 165, 5d, to ½; West Basset, 24 to 25; North Basset, 14 to 15; Sortridge Consols, 1¾ to 1½.

Tursbay.—No transactions officially marked.

Wednergolay.—Par Consols, 17½ to 18; Thoroft, 3½; Australian, ¾; Bon Accord, ¼; St. John del Rey, 11½; Mariquita, ¾; Santiago 4c Cuba, 2; United Mexican, 4½ to 4½.—Transactions, though not officially marked: South Carn Brea, 5 to 10\$; Gawton United, ¾; Wheal Edward, 7½ to 7½; North Basset, 14; Alfred Consols, 12½ to 13; St. Day United, ¾ to 1; Par Consols, 17½ to 18½; Vale of Towy, ½; Virtons Lady and Wheal Bedford, 21s, 6d, to 22s, 6d; West Basset, 25 to 25; Wheal Mary Ann, 45 to 47; Wheal Trelawny, 27; Alfred Consols, 13½ to 13; Great Wheal Alfred, 4½; Wheal Trelawny, 27; Alfred Consols, 13½ to 13; Great Wheal Alfred, 4½; Wheal Trelawny, 27; Par Consols, 18; West Basset, 25 to 25¼; Wheal Edward, 7½; Wheal Trelawny, 27.

Priday.—East Basset, 94; United Mexican, 4½.

At Suppage on Thorodox 1209 tons of copper ore will be sold, from

At Swansea, on Tuesday, 1209 tons of copper ore will be sold, from Springbok, Wheal Maria, Cobre, Berehaven, Sydney, and Namaqua.

At Wicklow Copper Mine Company meeting, on Thursday, the accounts showed—Ore sold, 21,0974, 8s. 3d.; miners' rent account, 391. 12s.=21,1231. 0s. 3d.—stores consumed, 17881. 10s. 11d.; Ballymurtagh account, 74821. 5s.; contingencies, 944. 13s.; directors' salaries, 1331. 6s. 5d.; management, 2321. 16s. 4d.; wharfage, 734.; insurance, 394.; poor-rates, 611. 10s. 7d.; discount, 4711. 3s. 11d.; royalty cetimated on produce, 13591.: leaving balance, being profit on the hall-year, 39281. 9s. 1d. A dividend of 11. 10s. per share, free of income tax, equal to 60 per cent. per annum was declared, and the remaining 15231. 9s. 1d. added to the surplus fund.

was declared, and the remaining 1823. 9s. 1d. added to the surplus fund.

At Craddock Moor Mino meeting, Jan. 8, the accounts showed—Balance last audit, 1230. 19s. 8d.; ores sold, 1598. 17s. 6d.; carriage, 441. 11s. 3d. =2.584. 5s. 5d.—Mine cost, 1082. 8s. 5d.; merchants' bills, &c., 286f. 1ss.; lord's dues, 1034. 6s. 1d.; dividend paid, Nov. 6, 369. 5s.; leaving balance in favour of adventurers, 1952. 1st. 11d. A dividend of 2634. 15s. (5s. per share) was declared. Capt. Henry Taylor and John Taylor reported that the next sampling would be about 130 tons of good quality copper ore.

At Wheal Wasse Consols reaction, Dec. 22 (Mr. Pater Clympolium in the consols reactions)

At Wheal Wrey Consols meeting, Dec. 22 (Mr. Peter Clymo, jun., in the chair), the accounts showed — Balance from last audit, 8911. 18s. 1d.; ores sold, 39591. 10s. 11d. = 18911.9s.—Mine cost and merchants bills, 31021. 6s. 11d.: leaving balance in favour of adventurers, 14591. 2s. 1d. Nett profit on three months' working was 5671. 4s. A dividend of 5121. (2s. 6d. per share) was declared, which, after payment, would leave 9471. 2s. 1d. to the credit of next account. Capts. P. Clymo, jun., Wm. Hancock, and R. Roskilly reported that the stopes and pitches were producing mach as usual. They would sample, the next day, a parcel of lead ore, about 60 tons.

wm. Hancock, and R. Roskilly reported that the stopes and pictures were producted much as usual. They would sample, the next day, a parcel of lead ore, about 60 tone.

At Gonamena Mine meeting, Jan. 7., the accounts showed—Balance leat audit, \$862, 24. 44., ores sold and carriage (lord's dues 571. 14s.), 881. 11s. 66.—
6974. 13s. 103.—Mine cost, 7394. 4s. 7d.: materials, \$6.0., 2264. 14s. 7d.: leaving balance in favour of adventurers, 14. 17s. 8d. Capt. R. Pascoe and W. George, jun., reported, that in consequence of the great reduction in the price of copper ore, the last sale did not quite meet the expenditure for the two months, but they were glad to say there was still a small balance in favour of adventurers. The next sale would be about 145 tons, of quality equal to the last.

At West Wheal Providence meeting, on Wednesday (Mr. P. L. Hinds in the chair), the accounts showed balance against adventurers 10444. 19s. 1d. A call of 14. per share was made. The committee of management were re-elected, and the protectings terminated with votes of thanks to the committee and Chairman.

At Tayy Consols special general meeting, at Plymouth (Mr. E. S. Codd in the chair), it was received to forfeit 313 shares in arrear of more than one call, subject to restoration if paid in within a certain time; also to hold another meeting shortly, to forfeit all shares which shall then be in arrear of the call unde Nov. 10 last. Several of the shareholders are desirons of seeing this mine put down deeper. The meeting was well attended, and the reports of the agents give great satisfaction. At Under Kitty (St. Agnes) meeting, on Tuesday, the accounts showed At Wheal Kitty (St. Agnes) meeting, on Tuesday, the accounts showed

The meeting was well attended, and the reports of the agents give great satisfaction. An improvement has taken place in the 56 cast.

At Wheal Kitty (St. Agnes) meeting, on Tuesday, the accounts showed receipts for tin and copper for the quarter 2767.1.2s. 5d., against a cost of 2788.1.4s. 4d., being a low of 311. Is. 11d. on the quarter's workings. Capt. Edwards stated the ends were of the following value:—The 82 west worth 201. per fm.; the 32 cast, 154.; the 73 west, 201.; the 54 cast, 17. per fm. At Holgate's shaft the folde is worth 154.; the 75 west, 64. per fm.; the same level end, 104.; and the 55 west, 104. per fm. The atopos and pitches throughout the mine are looking well, and had the price of tin not gone down the profits would have been 2504, a month,

At No July, Au Capt. He and they Feb., for had seen At N

JA

Clayton and dire limited i At L chair), t cost of w Sir Thor of mana satisfact the 10, a this last Murray, ried out to mark drive th ground, possible Capt. M present At t

Att day, a character At The small in oper shareho Ped profita rying report since We had the sid deeper ar at a mount the sid some cannot tains

> T compine compin

At North Wheal Trelawny meeting, on Dec. 30, the accounts showed balance against adventurers, 3244. 15s. 5d. The mine cost and merchants' bills for July, Aug., and Sept. amounted to 2994. 19s. 9d. A call of 1s. 6d. per share was made. Capt. Henry Hodge reported that the engineers were fixing the engine with all speed, and they hoped to complete the whole of it by the end of Jun, or the early part of Feb., for working. From the appearance of the cross-cut in the 27, and what they had seen at Ludoott, there was no doubt of having a good and productive lode.

At Nether Hearth Mining Company meeting, on Monday (Mr. William Clayton in the chair), there was no doubt of having a good and productive lode.

At Nether Hearth Mining Company meeting, on Monday (Mr. William Clayton in the chair), the accounts showed liabilities over assets, including the next three months' cost of working, 1994. A call of 1s. 6d, per share whe made, to provide for the same. Sir Thomas Tancred, Messrs. Lelean, Orr, and Williams, were elected the committee cost of working, 1994. A call of 1s. 6d, per share whe made, to provide for the same. Sir Thomas Tancred, Messrs. Lelean, Orr, and Williams, were elected the committee of management. The report of the captain, which appears in another column, is very satisfactory. In 1855 and 1836, 600 tons of copper ore and mundie were raised above the 10, and sold, realising 3000?, whilst in 1857 only 200 ton-shad been sold for 900.; this last ore, it must be observed, has been obtained from the ends and winces, therefore all the ground between the 10 and the 30 remains to be taken away. Mr. Adam Murray, in his ruport on Jan. 10, 1857, advised certain works which have been carried out to a successful issue, and although he said 30 tons per month might be sent to market, at 54 per ton, the committee deemed it advisable to sink the shafts and drive the lavels. They have now determined to stope this immense piece of ore ground, amounting to some thousands of tone, and send it to market as quickly as possible

The New Grand Duchy of Baden Minus (Munsterthal, near Freiburg) report to Jan. 11;—At the Schindler Mine, we have cleared and secured the old shaft since last report. 6 ft., making the present depth 30 fms. 5 ft. below the adit level. We have just 5 ft., making the present depth 30 fms. 5 ft. below the adit level, the sides and ends of the shaft, it being in the right place for it. We should have got deeps, had we not met with an accident in stowing the bottom lift with the slime and ends of the shaft, it being in the right place for it. We should have got deeps, had we not met with an accident in stowing the bottom lift with the slime and stuff running in from the sides of the shaft under the cistern, and the unessal scarcity of surface water, slackening our pace of drawing away the stuff with the small drawing-moshine, as also reducing the pace of oursping the water out. From the information of several old men here, the surface water has never, summer we winter, been near so low in the last 40 years as a present. We have eleared away some of the mud and rubbish from the plat and level mentioned in last rejort, but cannot yet see much more of the lode, but in a few short places, where seen, it contains saving work for lead. We have now the greater part of the castings on the mine for the new drawing-machine, and an additional number of carpenters again set on the work, so that fair progress is now being made. At the Teucleigarund Mine, the lode in Louisen level is producing on the average from 4 to 5 cwts, of ore per fm.

At Prederick's level, it is worth 3 cwts, per fm., and at Wilhelm's level 5 to 6 cwts.

The Lusitanian Mining Company have advices from Partireal to Lon. 7.

At Prederick's level, it is worth 5 owns. per fm., and at Wilhelm's level 5 to 6 owns. per fm.—S. Remarbs.

The Lusitanian Mining Company have advices from Portugal to Jan. 7:
Palual Miss.—Basto's Lode: The ground in Taylor's engine-shaft sinking below the 28; east of Taylor's engine-shaft, is atill hard; we have cut into the lode, and find it composed of Taylor's engine-shaft, is atill hard; we have cut into the lode, and find it composed of party, with a small branch on it containing good actions of ore. The lode in Rivar shaft, sinking below the 18, is 3\frac{1}{2} ft. wide, comessed of prian and quartz with spc. of mundic, lead, and copper. The lode in the 18, driving east of River shaft, is \frac{1}{2} ft. wide, composed of quartz with two small branches of equartz mixed with copper ore, but not enough to value. The lode in the 8, driving east of River shaft, is \frac{1}{2} ft. wide, composed of quartz with two small branches of copper ore in it, worth \frac{1}{2} ton per fm. The lode in the adit level, driving east of Pinto's shaft, is \frac{1}{2} ft. wide, composed of quartz with two small branches of copper ore in it, worth \frac{1}{2} ton per fm. The lode in the adit level, driving south-west on the slide lode, is \frac{3}{2} ft. wide, composed of flusts, capel, and copper ore, worth it on per fm. The lode in the adit level, driving south-west on the slide lode, is \frac{3}{2} ft. wide, composed of flusts, capel, and copper ore, worth it is a flust with a flust shaft, is \frac{1}{2} ft. wide, worth it is no per fm. The lode in the stopes No. 2, wested Biyler's winze, in the back of the 18, is if t. wide, worth it on per fm. The lode in the stopes No. 4.

In the back of the 28, west of Taylor's engine-shaft, is \frac{3}{2} ft. wide, composed of quartz. engle of Taylor's engine-shaft, is \frac{3}{2} ft. wide, composed of quartz. ended of the 18, west of Taylor's engine-shaft, is \frac{3}{2} ft. wide, composed of quartz. Part of the 18, west of Taylor's engine-shaft, is \frac{3}{2} ft. wide, composed of q

now addit level, driving 'east, is still favourable for driving through; the same branch, spoken of in our last, still continues in the end.

The Wildberg Mining Company have advices to Jan. 9:—We have taken from the mine, dressed, and sampled to the smelting works, during the past month, 129 tons, 5 est. of silver-lead ore. The number of men now employed, exclusive of those at the smelting works, is 337; and our estimate of ore returns for this month, 129 tons, at 50 per cent. produce. The returns could, however, be greatly augmented by the same number of hands, if the deep cross-cout had reached the Dormerang lot the same number of hands, if the deep cross-cout had reached the Dormerang to the same number of hands, if the deep cross-cout had reached the Dormerang lot the same as the same to said the same as a same of the same in the end worth 25 tons per fin, and I have not the least doubt it will hold good for many fathoms. Catter's shaft was sunk during the past month 8½ ft; the ground is much cosin for working. In the end driving west on the Gotteshulfe lode we have a small branch of lead; the end is now idde, being full of stuff. The weather report if from the smelting works, that the smelting process commenced on the 5th inst. and is working favourably. The reverberatory rosating process was started on the 4th to rosat lead fumes, and continued until the 6th, when he was obliged to start the furnishes to rosat lead fumes, and continued until the 6th, when he was obliged to start the furnishes of the smelting process commenced on the 5th inst. The strathalpyn Mining and Smelting Company have advices from Mr. Squarey to Nov. 9:—The sinking now going on at Basset's shaft is through a lode carrying lead, silver, sine, and mundle, the two former in quantities that would no doubt be made remunerative at once if in England, and may very probably be so here when we have exceed the necessary means for crushing, and shall have obtained from your information respecting the availability of the "rotating buddles," an

in the upper lavels.

The Worthing Mining Company have advices from their colonial committee to Oct. 30, of which the following is an extract:—" We have the pleasure to inform you the mine is progressing satisfactorily, and in our next we look to giving you an account of the lode in the deeper levels. We have now about 10 tons of copper or in the course of delivery at the port. The assay gives 17%. The pile consists chiefly of the dredgy ore from Hocking's, mixed with the tributers' roughs, and a small quantity of ore dredgy ore from Hocking's, mixed with the tributers' roughs, and as small quantity of the dredgy ore from Hocking's, mixed with the tributers' roughs, and as small quantity of to, in a single per from the 5 fm. level old shaft. We shall forward this parcel per Orient, instead of the Alma, at the same rate of freight, and look to forward you a larger and better parcel per Irene. The men had driven the cross-cut during the month of ms. 1 ft. 6 in., at 20%, and took again to cut the lode at the same price. The water was again reducing in the old shaft, and no doubt it will be unvatered during this month. The level at Hocking's shaft have been continued north and south. The end south had been driven 3 fms. 0 ft. 6 in., and north 3 fms. 3 ft. 6 in., at 114, carrying ore the whole distance. Capt. Remry considering that enough had been done at that depth to prove the character of the lode, it was determined to stope away the backs until sinking could be resumed, which was let at 34. 10s, per fm. The 5 fm. lold shaft had been holed through to the tributers' pitch, showing a branch of ore in the bottom of the level. The tributers were raising very fine ore from the main, or western lode, and continue their take for the second month. The acting manager also reported about 10 tons of better quality was ready to send away, and directions were given to forward it to the port for shipment."

The East India Coal Company have advices from their collieries to

away, and directions were given to forward it to the port for shipment."

The East India Coal Company have advices from their collieries to Dec. 7:—At Topost, the pump shaft has been cleared 6 ft., and they have 5 or 6 feet more to sink to reach the coal; the water is not rapid, and they hope soon to have the mine dry. At Gopeenanthpore, the shaft is now sunk to about 44 ft., and is being lined with brick; a gin-house is being erected, and the carpenters are making glin, &c. All other work is progressing satisfactorily. A departation from the company, had an interview on Tuesday with the Chairman of the East India Railway Company, with a view of obtaining increased facilities for their coal traffe from their collieries at Ranceguage to Calcutta, the contracts lately made with the Indian Government for the supply of coal having necessitated the step.

at Raneggunge te Calcuita, the contracts lately made with the Indian Government for the supply of coal having necessitated the step.

In the Foreign Share Market, the improvement has been fully maintained, and with every prospect of further advancing. Shares in the General Mining Association have been in considerable demand, and left off at 17, "buyers," the next dividend is expected to be 12s. 6d. per share, and the prospects are considered very satisfactory. Santiagos have been quiet, but business has been done at 2. The directors have considered it advisable to postpone the meeting of shareholders until March 3, by which time they expect to receive, from the manage shareholders until March 3, by which time they expect to receive, from the meeting of a very favourable character. St. John dol Reys have not been so good, and left off at 11y to 13y. In Worthings, nothing of importance doing; the sound of the first of the countries good. During the week Brazilian, the whole of the dealt in this company was originally called the National Brazilian, the work of which have been carried on with scarcely any intermission. The present company are daily expecting advices from their resident commissioner of some good seles; present price of shares from 2 to 2½, whilst some few weeks since they were scarcely marketable. United Mexican shares remain firm at 4½. Mariquits shares are life easily of Sa. 6d, yeahare having been made. Cobre shares have had a slight decline, and left off at 42 to 44; the fall is considered only temporary. The roturns have been much reduced in consequence of the new machinery, which is of a very superior and powerful character, not having been ready, and when in operation the sales will be very materially increased. In Linarce not much doing, but the price firm at 5½. New Grand Dachy of Baden shares in good demand, at ½ prem. Other descriptions of foreign stock emain the same.

The Australian Mining Company have made a call of 2s. 6d, per share.

THE MINING FOUNDAL.

The Duston Iron Ore Company have convened a meeting for Wednes-lay next, at which a resolution will be proposed for winding-up the concern.

The Copiapo Mining Company annual meeting will be held at the latter and of February or the beginning of March, when it is anticipated that a dividend will be declared.

will be declared.

The liquidation of the Anglo-Californian Gold Mining Company is progressing satisfactorily; a considerable mojority of the shareholders have already subgressing satisfactorily; a considerable mojority of the shareholders have already subgressible and the declared opinion entertained is that the boad fide creditors will be paid in full. The dispute between Sir Henry Huntley and the directors, or some properly spoaking, between that gentleman and the shareholders, is left to arbitration, and no doubt will be settled when the accounts on both sides are exhibited.

Our Hull correspondents (Messis, T. W., Flint and Co.) report that after the slight pause in the market, caused by the realisation of profits, there is now every appearance of a further bound forward in prices, especially as it will take some little time longer to rectore confidence in mercantile affairs, and meanwhile a large mass of aspital is finding its way temporarily into shares. We look for a further reduction in the value of money, and higher prices for stocks and shares of all kinds.

Our Sheffield correspondent (Mr. George Wilson) reports that there has

Our Sheffield correspondent (Mr. George Wilson) reposits that there has been an average another to be substituted in railways and insurance and a second reposition of business done this week in railways and insurance anota-advanced price. Mining shares have not bren much enquired for, and the 14 to 10 tons are as follow:—Brightside and Progratt Grove, 3½ to 3½; Chapel Dale, 4½ to 3½ prem.; Carfanat, 1 to 1½; Fram, 5 to 50; Mill Town, 3 to 3½; Mill Dam, ½ to 3½ prem.; North Derbyshire, 1½ to 1½; Peak United, 1½ to 2; Prince of Wales, 2 to 2½; and Stoney Way, 1 to 1½ prem.

THE COAL TRADE.

The following is a statement of the delivery of coals, &c., in the port of London during the month of December :-

Newcastle	Ships.	Tons.	Scotch		Ships.	Tons.
Seaham	102	25,491	Weish	*************	35	12,489
Sunderland	. 188	70,695	Yorkshire, &	e	36	3,051
Middlesbro'	. 32	8,092	Liverpool	***************		
Hartiepool & West Hart	. 196		Small and ch	nders	7	1193
Blyth Total	. 19	4,541	**************	************		340,768
Total imported in	Nov., 185	6		*************	**********	280,880
C	omparative	. Statem	ent of 1856 an	d 1857.		
Imported from January	I to Dec.	31, 1857	Ships	10,444	3,133,45	9 tons.
Imported from January	1 to Dec.	31, 1856	******** 33	10,844	3,119,86	34 ,,
Decrease of ships	and increa	se of tor		400	13,57	75

THE RAILWAY COAL TRADE,

Monthly statement of coal and coke brought by railway and canal within he London district, during the month of December :-

Railways,	Tons cwt.	Railways,	Tons o	ewt.
Great Northern	45,806 3	South-Western		
North-Western		South-Eastern	573	
Eastern Counties		London, Brighton, & S. Coast.	76	0
Great Western	2,399 0	London, Tilbury, and Southend		
Total by railway in Dee ,	1857		00,023	1
Coals by railway in Dec., 1856	************		02,041	15
Coals by canal in Dec., 1856			2,002	15
Compare	tive Statem	ent of 1856 and 1857.		
Coals by railway from January	y 1 to Dec. 3		146,299	
Coals by railway from Januar	y 1 to Dec. 3	1, 1857 1,2	206,775	13
Decrease in the year 1857-	-railways	***************************************	39,523	11
Coals by canals from January	1 t : Dec. 31	, 1857	26,295	15
Coals by canals from January	1 to Dec. 31	, 1856	25,401	0
Increase in the year 1857-	canals		894	15

The Newcastle Chronicle of yesterday says—"In our remarks on the Coul Trade, we have frequently brought before our readers the powerful effect that the employment of serve colliers would have in enabling the trade of this district to meet the competition of the midland coals carried by railway, and the rapid increase in the namber of sorew vessels is shown by the following comparative statement:—

	PE	RFORMANCES	OF SC	REW COLLI	ens.			
Number of	voyages,	1857	977			547,099		
29	99	1856	413	99	*******	238,597	99	
Incr	ease in 18	57	561			308,502	**	

with fuel, as heretofore.

There were only 18 or 20 steam-vessels engaged in the trade continuously through on 1857; the number of voyages performed varies from 25 to 41, which latter figure was reached by three. The largest quantity carried by any on vessel was 28,690 ton by the Black Diamond, belonging to Messrs. Bell and Co., of Sunderland, and makin 39 voyages.

Thornley and Keiloe North Hetton Coal Company Haswell Coal Company Black Boy		********	121	,254 ,723 ,663 1,275	
Below we give the quantities of coals import	ed into	Lond	on by the	вечега	l railway
nd canal in the last two years :-		1856.		1857.	
Great Northern		1,434	*******	531,81	
North-Western		13,672	*******	476,49	
Eastern Counties		26,775	********	101,29	93
Great Western		73,048	********	69,80	
South-Eastern		11,265	********	10,00	
South-Western	****	102	*******	17,00	
London, Tilbury, and Southend	****	-	********	27	
London, Brighton, and South Coast		-	*******		16
Grand Junction Canal	****	25,295	********	26,29	95
Total					
We conclude with a statement of the quantit	ties of	coals	received	into I	London b
ea from the various ports in 1857 :-	Ships.			ns.	
Newcastle	2697	*******		,587	
Newcastle Wallsend	763	******		,283	
Seabam	1312		323	,693	
Sunderland	316	******		,222	
Sunderland Wallsend	1763	******		,093	
Stockton and Middlesbro'	161	*****		,649	
Hartlepool and West Hartlepool,	2123	******		,528	
Blyth	102	******		,860	
Scotch	90	******		,696	
Welsh	556	******		.864	
Yorkshire	461	******	42	,227	

THE IRON TRADE.—The fol	lowing is the	present po	sition	of the iro
arnaces in the county of Durham :	– In	blast.	Out.	Total.
At Eston, Bolckow and Vaug Samuelson and Co.	han have	5		9
Cargo-fleet, Cochrane and Co Gilkes, Wilson, a	nd Co	3		4
Middlesbrough,		3		3
Horton		1	1	2
Darlington		2		3
Witton Park		3	1	4
Stanhope Tow-Law				
Consett		14	4	18
-Durham Advertiser (this day).	Total	43	. 17	62

IRON TRADE AT MIDDLESBOROUGH. -Of 26 furnaces in this district, IRON TRADE AT MIDDLESBOROUGH.—OI 26 furnaces in this district, only 13 are in blast; thus throwing an immense number of men out of employment. At present there are no signs of matters resuming their former busy aspect. The quotations for Cleveland pigs are—No. 1, 63-1, 10, 3, 69-1; No. 4, 58-1. The puddlers, ball furnacemen, and others employed by Bolekow and Vaughan, and Snowden and Hopkins, are still on strike. The men held a meeting, and a deputation waited upon the firms; but no terms were come to. The men are willing to resume work at the first reduction (10 per cent.), but the masters require them to go in at the second reduction, which they refrace to do. It is to be hoped an amicable settlement of the dispute will ere long be effected.

The deward for each continues limited to the reduced requirements of

The demand for coke continues limited to the reduced requirements of The demand for coke continues limited to the reduced requirements of the surrounding district, and to the fulfilment of some railway contracts. A considerable number of coke ovens are out of use in the neighbourhood of West Auckland, Crook, and Willington, without any immediate prospect of their being relighted. No material alteration in the working of the blast furnaces in this county is noticeable since the commencement of the month, and the recent advance of price in the Glasgow market to 54s. per ton, imparts a strong hope that further reduction of make will be unnecessary. The opening of an additional portion of the North Yorkshire Ealway, to Kildate, is announced for Feb. 1. Fresh facilities for the conveyance of ironstone, to be worked out of the Cleveland Hills, will thus afforded, but time must elapse, and brighter prospects arise, ere a profitable vend for stone will be found,—Bunderland Herald (this day). elapse, and brighter prospects : Sunderland Herald (this day).

RAILWAY TRAFFIC.—The Traffic Returns of the Railways in the United Kingdom for the week ending Jan. 9, amounted to 381,5161., and for the corresponding week of 1857 to 393,7784., showing a decrease of 12,2321. The gross receipts of the eight railways having their termini in the metropolis amounted for the week ending as above to 160,9554.; and for the corresponding week of last year to 161,4654., showing a decrease of 4506.

The decrease on the Eastern Counties amounted to 2604.; and on the London and North. Western to 49354.; together, 52024.: but from this must be deducted 18284., the increase on the Great Northern; 12154. on the Great Western; 394. on the London and Blackwall; 9344. on the London and South-Western; and 5634. on the South-Eastern; together 47324.: leaving the decrease as above, 4504.

The receipts on the other lines in the United Kingdom amounted to 220,9914., and for the corresponding period of 1857 to 232,3734., showing a decrease of 11,7824. in the receipts of those lines, which, added to the decrease on the metropolitan lines, makes the total decrease 12,2324., as compared with corresponding week of 1857. RAILWAY TRAFFIC. -The Traffic Returns of the Railways in the United

The return of the Bank of England for the week ending Wednesday,

Jan. 13, compared with the previous weekly retu	rn, shows the	following	results :-
	£27,212,405	Increase £	
Circulation active	19,671,780		172,725
Public deposits	2,986,996	Decrease	4,203,665
Other deposits	19,124,733	Increase	4,278,856
Government securities in banking department.	9,191,986	**	1,426,677
Other securities in banking department		Decrease	1,811,404
a und buillion in both departments		Increase	713,914
Cotte 'vy and other hills	883,878	**	33,858
Geven die	3,653,418	**	47,413
The Rest	7,540,673	**	451,755
Notes in reserve . and coin), banking depart.	8,160,377	**	541.189

Total reserve (notes and coin), banking depart. 8,160,377 , 451,785
Total reserve (notes and coin), banking depart. 8,160,377 , 451,189
This return is extraordina. "Ity favourable. The fact that the reserve has increased half a million in face of the part of five or six millions of dividends, is altogether without parallelinithe histor, of the Bank. The dividend money was, in fact retained in the Bank, under the head. "other deposits," the bankers and other dealers "out of doors" being already over amplied with money. The addition to the Bank's means is the more remarkable in 1s. of the fact that Government securities to the amount of no less than 1,426,6771, have, een withdrawn from the Stock Exchange (as previously mentioned in the Daily News), and paid for. But for this crumstance the Bank's reserve would have been 8,160,37, l. plus 1,426,6771. The cois and bullion have also increased 713,0141, notwithstanding the part of the dividends. The other securities are now receding to a comparative y moderate amount, and the movement will doubtless continue. This balance-sheet deserves an attentive examination.—Daily News.

We learn that gentlemen of monetary influence in the City have associated the mestves with the Little Down and Ebber Rocks Mining Company, and that this enterprise will quickly have the vitality which is necessary for the proper and this enterprise will quickly have the vitality which is necessary for the proper and adequate development of the resources of the property. In an early Number, therefore, we are assured we shall be in a position to announce a complete and comprefere, we are assured we shall be in a position to announce a complete and comprefere, we are assured we shall be in a position to announce a complete and comprefere organization of wealth and mining talent for the prosecution of these works; heavier of the property of the set, justify the best expectations of highly remunerative results.

and in all quarters it is eaid that the existing yield, as well as the prospects of the sett, just fy the best expectations of highly remunerative results.

Correspondents enquire as to the progress making with Wagstaffe and Perkins's patent for the reduction of metals by an electro-chemical process. We believe it is not yet in operation. Streamous opposition was given to its introduction by the smelters, and the miners generally were evidently reductant to pince themselves in opposition to this powerful body, who from the first set their face against it; and thus the matter has remained in abe vance, although it is reported that the principles of action set forth in the patent have been exceeded the process to a very great extent, by altering their method in such a manner zeto evade the patent, yet using the most essential points, without any consideration of the patentees. Added to this is the protracted absence of Mr. Perkins in Portugal, where he went, some months since, to superintend the construction of reduction works; but \(\tilde{\text{the New 1}} \), we want, some months since, to superintend the construction of reduction works; but \(\tilde{\text{the New 1}} \), we want, some months since, to superintend the construction of reduction works; but \(\tilde{\text{the New 1}} \), when when the construction of reduction works; but \(\tilde{\text{the New 1}} \), we want the gentleman who will, not doubt, facilitate the views of the different persons who now seem desirous of adopting the process in various parts of the country.

The Queen, Bristol and Hayle steamer, lately left the latter place for the former port, having on board as part of her cargo no less than 35 tons of block and ingot tin, from different smelting companies. This is a larger quantity than has been sent off for the last three months, which looks well, and is rather more cheering than the report that Mesers. Bolitho had re-shipped their consignments, rather than run the risk of selling. This circumstance should encourage miners, as it

In the matter of the Crookhaven Mining Company (Ireland) Vice-Chan-eellor Wood will, on Feb. 1, further settle the list of contributories, and make a call of 3t. per share. Vice-Chancellor Wood, in winding-up the London and Penzance Sor-pentine Company, has made a call of 3t. per share.

The Newfoundland Mining Association is a company which has lately been organised in England, with a capital of 50,000%, in 1% shares, limited linbility. One-fifth of the capital is held by colonial subscribers, and the balance in England. The objects for which the association is established are the development with a profit to the company, of the mineral resources of the island of Newfoundland and its dependencies. Mr. F. N. Gisborne is the projector and local manager of this new enterprise, some of the peculiar features of which are—that only four calls per annum of 1s. each can be made, and that he (Mr. Gisborne) undertakes the entire management of the business in Newfoundland gratuitously, until a clear dividend of 10 per cent, per annum can be declared upon the whole capital of the company. During last summer's ext. lorations, silver, lead, copper, and manganeae, were among the more valuable minerals "iscovered. The company have now sent out a staff of Cornish miners, with suitable mining material, for testing all such discoveries; and for rounding, of working the same. A ton or two of copper ore, as a sample, has just arrived in Liverpool, on account of the association.

The CHANCELLORSVILLE GOLD WORKS.—It is rumoured that, in pursuance of an order made in the cause Chard v. Street and others, the sheriff of Cheshire has taken possession of the goods and chattels of this company at Frodsham.

				LE	AD	0	RI	ES.								
			90	ld on												
Mines.												1	ur	cha	sers.	
Mines. Frongoch				100			£13	13			P	anth	er	Cor	npan	у.
Cwm Erfin	****		****	95	****		1.5	17	0		. 8	me.	W	llyı	ıms,	& Co.
Penbaldarva	****		****	30	*****	*****			0			di	tto)		
Penbaidarva	****	****	***	10	****							Jan	ma	TV.		
Ticketing a	t tl	ie F	in	g's H	ead	Ho	el,	Ho	y w	en, r	301	Valke	P.	Par	ker.	& Co
Maesyrerwddu (Talari	gool	1)		20	70 11	****	10			******		. Ev			,	
Coetia Llys (Talargoeb) .			53	1/2	****	14	16		*****		Calle	NO II	Par	·bar.	& Co
Talacre				8	****		14		6			V ILLES	tto		mes,	
Deep Level				46	****	****	13		6						ntos	& Co.
ditto				4	*****		17	12	6	*****		Calle	,,	Do	her.	& Co
Bodelwyddan				. 7	16	****	13		6			Par	1,	Lui	Ker,	a co
Holywell Level				4			15		0	*****		. Ey	WI	W.	****	& Co
Hendre				3	36		13	1	0		η,	ewt	m,	Ve	ates,	at Co
							Mis	10								
Herodsfoot							16	.10	6	*****	J.	B	by	, So	ns, è	k Co.
		-		BL	AC	K	TI	N.								
			201	d on					her							
Mines. Tone		- '	1h	D	rice	nor	ton	Je 1111	,	mou	ınt		P	ure	h,386	rs.
Pedn-an-drea United 4	16	4.	0		60	no.	0		4	289	10	0-	Bi	880€		
	16		10	******		15		*****		269	4	10-		ditte	0	
		î	10	*****		0				82	12	1-		ditt	0	
ditto 2			1 0	n the	741											
C										72	18	5-	Ne	w I	Blow	ing.
Carvath United 1	7			*****						13	9					
ditto 0	8			*****								11-				
ditto 1	9	0	3		53	0	v	*****	•	10	.,	**-	270	· wo		
		***		OP	PE	R	OF	EES								
	_		'	JOE.	- 43			Y	-		-	the	10	h 1	anne	TT.
Tenders for Coppes	O	LE,	W.	Augu	sta,	801	1 at	Liv	ĸК	LOOL	on	rne	20	20	6 6	

1	Newton, Keates, and Co	11	12	0	
	Sims, Willyams, Nevill, and Co	11	7	0	
1	Sims, Willyams, Nevill, and Co.	11	6	6	
1	James Keys and Son	20	9.5		
1	The Pocket Nook Smelting Company	10	13	0	
1	F. Bankart	10	7	6	
1	Lot 2, % ton Newton, Keates, and Co	14	8	0	
1	James Keys and Son	13	10	6	
	Sims, Willyams, Nevill, and Co	13	10	0	
1	bime, willyame, Mevill, and Colimbia				
	Sold at Liverpool on the 8th January.				

oor on the 8th January.

s. Price per ton.

£20 13 0 Newton, Keates, & Co.

20 7 6 ditto

39 2 6 ditto

31 3 0 ditto

(I, Ribhy Sons, and Co. Pocket Nook Smelling

COPPER ORES.

Copper ores for sale on Thursday next, at the Royal Hotel, Truro.—Mines and Parcels.—Devon Great Concols 1536—Phonix Mines 366—West Caradon 330—Hingston Down 240—Bedford United 207—Wheal Friendship 160—Collacombe 135—Duke of Cornwall 115—Kelly Bray 110—Wheal Edward 105—Calstock Consols 99—South Bedford 80—Wheal Franco 68—Wheal Emma 61—Devon Buller 57—Lady Bertha 55—Gavton Copper Mine 55—West Crimnis 55—East Russell 32—Wheal Russell 46—Tavy Consols 40—Devon and Courtenay 23—West Par Consols 14—Wheal Zion 7—Travone 6.—Total, 4018 tons. NO SALE on Thursday last, 14th January.

Copper ores for ale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Pacels.—Great Wheal Busy 629—United Mines 566—South Caradon 417—Fowey Conso 355—St. Day United 295—Craddock Moor 195—Gonamens 147—Wheal Ellen 130-Great Crinnis 122—South Crinnis 121—South Wheal Ellen 67—Perran St. George to Consolidated 37—North Wheal Busy 37—Old Wheal Elses 17—Old Tolgus Unite 17—Wheal Henry 11—West Par Consolis 7—Visick's Ore 1.—Total, 3218 tons.

Copper ores for sale at Swanses, Jau. 19.—Springbok 54, 53, 50, 49, 45, 5, 51, 48, 47.

—Wheal Maria 50, 47, 34, 31, 20.—Cobre 57, 82, 69, 67, 50, 49, 47, 13, 11, 13.—Bere-haven 97.—Sydney 23.—Namaqua 10.—Total, 1200 tons.

THE PROGRESS OF MINING IN 1856.

BY J. Y. WATSON, P.G.S., Author of the Compendium of British Mining (published in 1843), Gleanings among Miners, &c.

The TRIEVERSHE ANNUAL REVIEW Of MINING PROGRESS appeared in a SUPPLE-

RESTAL SHEET to the MINING JOURNAL of Jan. 3, 1857.

A FEW COPIES of the REVIEW OF 1855, containing Statistics of the Metal rade, the Dividends and Per centage Paid by British and Foreign Mining Compaies, and the State and Prospects of upwards of 200 Mines. Aso, a FEW COPIES of the REVIEW OF 1852, 1853, and 1854, MAY BE HAD on application at Messrs.

VATSON and CURLE'S Mining Offices, 1, St. Michael's-alley, Cornbill, London.

Also, STATISTICS OF THE MINING INTEREST. By W. H. CURLE.

NV & ST MENTS IN BRITISH MINING for the QUARTER and the YEAR ENDING 31st of December, 1837, with Particulars of the principal Dividend and Progressive Mines, Table of the Dividends Paid in the last Three Years, &c., with a MAP of the PAR CONSOLS MINING DISTRICT, is now meanly, price One Shiling, at 117, Bishopsgate-street Within, London.

Reliable information and advice will at any time be given on application.

Also, COPIES of "BRITISH MINES CONSIDERED AS AN INVESTMENT." By J. H. MURCHSON, Eag., F.G.S., F.S.S. Pp. 356, boards, price 3s. 6d., by post 4s. See advertisement in another column.

Just published, demy Svo., with Twenty Illustrations on Copper, price £1 5s , an LEMENTARY TREATISE ON IRON METALLURGY, UP TO THE MANUFACTURE OF PUDDLED BARS:
Built upon the Atomic System of Philosophy, the Elements operated upon being Estimated according to Dr. Wollaston's Hydrogen Scale of Equivalents.

Comprising Suggestions relative to Important Improvements in the Manufacture of Iron and Steel, and the Conduct of extensive Ironworks.

WITH ANALYTICAL TABLES OF IRON-MAKING MATERIALS.
By SAMULL BALDWYN ROBERS, of Nanty-Gio, Monmouthshire.

London: Mining Journal office, 76, Fleet-street.

PATENTS, SEVERAL THOUSAND: A CLASSIFIED CATALOGUE OF SUBJECTS; with ADVICE TO INVENTORS ON PATENTS, CAPITAL, AND CONTRACTS." Post free.

H. Direcks, C.E., Patent Agency Office (Established 20 years), 32, Moorgate-street. City.

Just published, price 8s. 6d., a

OR, MILL MANAGERS AND STHE IRON TRADE;

omprising a Series of New and Comprehensive Tables, practically arranged, to show one view the Weight of Iron required to produce Boiler-Plates, Sheet-Iron, and Asyagare, and Round Barr, as well:—a Hoop or Strip Iron, of any dimensions.

To which is added, a variety in Tables for the convenience of Merchants.

By JAMES Rose, Batr-an's Hill Ironworks, Bradley, near Bilston.

London: Mining Jour and office, 25, Fleet-street; and sold by all booksellers.

Butices to Correspondents.

• Much inconvenience having arisen, in consequence of several of the Number during the past year being our of print, we recommend that the Journal should be regularly filed on receipt: it then forms an accumulating useful work of reference.

TIN RETURNS.—We are preparing the Quarterly Returns for publication, and request all pursers, managers, and shareholders, who feel interest therein, to supply us with all the information in their power.

all pursers, managers, and shareholders, who feel interest therein, to supply us with all the information in their power.

Lestimate Speculations.—The returning buoyancy of the money market will doubtless bring to light a long list of undertakings, each in some measure promising to outdo its predocesors in great dividends, or some other are production. It will be no stretch of imagination, among a host of schemes that may be expected before the public gaze, to see that every artiface will be he skilfully applied to get the "money paid in," no matter what comes after. What may we expect from the mining world? England with its numbers, showing, I hope, many good mines among them; Ireland, too, needing encouragement for the development of its treasures; bonnie Scotia with some good things; and the Cambrian Hills, no doubt, many promising rentures; while America will send us that which, according to their description, will "beat all creation." Now, Sir, ought we not to reserve some of our surplus capital for the development and working of British mines and mines in British possessions, in preference to Russian rails or American stocks, or any foreign country whatever, after the experience of the past? Our own stout-hearted population deserve encouragement, in the shape of honest employment; while the bundless mineral resources of British India will be open to development when it comes under imperial rule, which is to be the case. Then, we have our Australian and Cape colonies, teening with mineral wealth; nor must we forget the islands of the Occidental Indus. Canada well deserves our attention, with a host of others, in preference to the long list of schemes from other countries, who reckon us "only valuable for our money." It will, Sir, be your judicious province, as herefolore, to weed the long list which is now almost at the birth, and for that purpose I ask your watchful attention, so as to discourage all but "legitimate speculations."—

W. B. B. London.

Gerat Wheal Von United.————————————————————————————————

W. B. B.: London.

Genat Wheal Voir Edition, so as to discourage all but "legitimate speculations."—W. B. B.: London.

Genat Wheal Vos United—In calling the attention of the adventurers to the heavy item of the London office in the annual expenditure, I had no other object than their interest. I said that it was about 20001, a year, for I read 4771, for one quarter's expone; but I find that the manager's salary is included therein, which reduces the London office exponse to about 14001, per annum. It appears, from a correspondent in last week's Journal, that the reason for London office is the fact that the company is a London company. He says that there are no shareholders in Cornwall: in that I think he is wong, for many gentlemen of Helston and neigh bourhood took shares, which are held, I believe, to this day. I still contend that the London office is a uscless establishment, wherever the adventurers may reside. They can hold their meetings in London without the expense of the official establishment, wherever the adventurers may reside. They can hold their meetings in London without the expense of the official establishment, wherever the adventurers may reside. They can hold their meetings in London without the expense of the official establishment. If the committee of investigation do not advise the abolition of this offico, they will omit an important duty to the company.—An Acart: Camborae Lady Bertha.—I understand the committee of management have determined to bring up some of the ore which is now on reserve in this miss. They say that it amounts to some thousands of tons; and if it only realizes 31, per ton, it will give a handsome dividend in June or September next. The calls made amount to 50004, and the ore sold has realised upwards of 40004, so that altogether nearly 10,0004, have been spent in developing the mine, and the shares selling at about 11, whilst in 1855, when there was only is, paid, they were fetching 22. 5s. The mine is the richest in the district, and certainly worth the money laid u

dered company.—R. P. M.

TAVY CONSOLS.—My reply to the imputation attempted to be fastened on myself and others concerned in the management of Tavy Consols and North Tavy Mines, by your sharp-eyed correspondent, "Argas," is that we have agreed for and marked out the course of a leat, which will give us a fall of somewhere about 80 feet, perfectly independent of the water of Tavy Consols; and in planning this we look forward to the time when we shall be able to spare to the latter mine a portion of this noble stream of water on fair terms, to put it down deep enough to make a good mine yet, if the shareholders will find the means, and put confidence in their own agents, instead of listening to the twaddie of "Argus," or any other anonymous scribbler. Why do not men put their names to letters containing charges reflecting on the character and conduct of others!—Enwand S. Codd: Plymouth.

TAVX Consolve.—I wish your correspondent of last week had given his real name in

ing on the character and conduct of others!—Enward S. Cond: Plymouth.

Tave Cossola.—I wish your correspondent of last week had given his real name in writing of this mine; for, while I admit that, under some circumstances, it is of little consequence whether a writer attaches his name to a document or not, I am of opinion that, when a person undortakes to cast censure on the actions of honourable men, he should not screen himself under a fabulous signature. The name "Argus" seems to prevail in various parts of the country; but whether the person bearing the name in Plymouth be the son of Arestor or Agenor, or whether he be possessed of a hundred eyes, or (as some say) covered with eyes all over, I have no desire to prevent any modern Juno from placing him to watch over the actions of the managers of these managers of these mines, never to act towards "Argus" the unworthy part of Mercury, by Iulling him to sleep with the sound of our flutes, or any other music. I will neither cut off his head, as wicked Mercury did that of our friend's ancestor, nor take out his eyes to adorn the tail of my peacock; and, in addition, I wish to inform "Argus" that he watches over men whose ship—"shonourable intention"—will outride every storm as surely as did the ship Argo, which bore Jason with his companions through every difficulty, till he had obtained possession of the golden fleece. We, the said managers, are not guided by the influence of Phiness, the blind soothsayer, as Jason was, but by the stone and mixture of Medes, which imparts to us honest intentions and honourable actions. We have outlived so many storms, that we are surprised at no new encounter; and if we were even domest to plough the field of Mars with the fire-breathing build 'Valean, and sow the furrows with the servent's teeth of Cadmus, they would produce to us armed beroom the manifested by "Argus," and those like him, with all those who hold fast through the perils of the "voige," shall surely take from off the "oak" at North Tavy; and these thin of hea

tenucrion or Coppen Ones.—I was told, some two years since, by an eminent solicitor, now dropseed, that at Twista, near Hesse Cassel, there was about 60,000 tons of copper ore on the surface, which, by a most inexpensive process, could be reduced to metallic copper. Reservoirs, which only cost about 600% to erect, could ropsy their original outlay in a week, and afterwards return large profits to their shareholders. In your Journal we have had the Norwegian process of Bergmester Sinding, that of Messra, Reid and O'Nelli, &c.—are the whole of them to prove as abortive as the gold delusions? I had hoped that this species of trickery was confined solely to the precious metals, and that the more useful were not worthy the notice of the genticemen who possess the power of projection and extraction.—Q. Coppen Shutzins.—Any attenuate for one a commany for this purpose I imagine will

notice of the genticurcu who possess the power of projection and extraction.—Q. Coewes Suntains,—Any attempt to force a company for this purpose I imagine will be futile; a long experience among Corni-hmen has led me to know that in only one pursuit, as far as mining is concerned, are they combined—that is, "taking bais up to the gentlemen in London,"—Cannellan.

John-Stock Companies Acr—"P. A." (Buth).—Insurance companies cannot be registered under this Act; but "P. A." (Buth).—Insurance companies cannot be formed, as by the Joint-Shock Companies (1856) Amendment Act of last session (29 and 21 Vict., cap., 80) it was expressly provided that the 7 and 8 Vict., cap. 110, and the 10 and 11 Vict., cap., 80 bit was expressly provided that the 7 and 8 Vict., cap. 113, or under 9 and 10 Vict., cap., 78, should remain unrepealed, so far as related to insurance companies. All banking companies under 7 and 8 Vict., cap. 113, or under 9 and 10 Vict., cap., 75, are required by the "Joint-Stock Banking Companies, with more than seven partners, may come under the new Act at any future time. No banking company can be registered with limited liability. The Joint-Stock Companies Act, 1837, rather explained than amended the principal Act. "P. A." should purchase Tappings" "Expension," from "yhich he can obtain every information with reference to the formation of companies nader the New Partnership Acts. It will be forwarded from our office on receipt of 4s. Wheal, Wany Consola.—" J. T." (Exeter).—A dividend of 4s. was declared June 16,

Wheat. When Consola.—" J. T." (Exeter).—A dividend of 4s, was declared June 16, making 2l. 10s. upon 1l. 9s, per share. The last dividend, on Dec. 22, was only 2s. 6d, which may be accounted for by the fall in the price of ore.

which may be accounted for by the fall in the price of ore. 22, was only 2s. 6d., Parcious Metal. Makino. — Your correspondent, "Alasco," calls on me to analyse certain processes in the same manner as I did that of Gabriel Platte; but he surely forgets that Platte described his process in a consise and comprehensive way, whils the friends of "Alasco" envelope theirs in the most profound mystery. Dealing with probabilities, I should say that Mr. Harris's invention is the application of Chenot's electro tricuse to an improper purpose, and that Mr. Harris has forgotten that magnets do not attract gold; that Mr. Godefroy's is an attempt to employ the laboratory system of analysis, by the wet way, on a large scale, by introducing a little natural magic; and that Mr. Squire's is a medification of the old sweating process, a la Calvert and predecessors, although, perhaps, without the use of electricity. — F. S.

tricity.—F. S.

Parcious Metal. Makino.—Mr. F. Squire has stated that, if the shareholders of gold mining companies will call on him, he can render available many shares that are now valueless. I do not wish at all to enter into the merits of Mr. Squire's process: I believe that he, as well as others, can extract gold from any given specimen of quarts which contains it. In a lead of some hundreds of fathoms he cannot tell in what part the gold exists, and where the quarts is entirely denuded of the precious metal—all has to be mined and orashed, whether it be worthless or not. "Gold may be bought too dear." Let us first be satisfied that, contrary to all hitherto acquired experience, the auriferous particles are uniformly diffused through the vein, instead of being detached some hundreds of fathoms from each other. Then the question may arise whether it will be of any utility to reduce thousands of tons of ore to obtain the little quantity of gold they contain, due regard being paid to the cost of mining and crushing which must necessarily ensue, especially in countries where wages are high and labour scarce.—Common Sense.

Darmoors, No. II. shall appear in next week's Journal.

Tarsaavan Mins.—If your readers will refer to the fifth volume of the Cornwall Geo-

Darmoon, No. II. shall appear in next week's Journal.

Tarsavean Mink,—If your readers will refer to the fifth volume of the Cornwall Geological Society's "Transactions" (p. 88), they will find that many of the details respecting Tress vean, which appeared in your last Journal, as well as others which have no place there, were published as long since as 1813.—A No.D. Cornsaronosex.—[Some interesting particulars respecting the Tressvean Mine, including a return of the dividends declared from 1828 to 1847 (equal to 46804. 18a, per 96th share), also appeared in our Journal of Jan. 11, 1831, and should be consulted by those desirous of information on the subject.]

Mandarske.—If your correspondents who are requiring manganese would state the quality required, and the price per ton which they would be willing to give, I think the Newfoundland Mining Association, 36, Booth-street, Manchester, can supply any quantity.—G.

any quantity .- G.

the Newfoundland Mining Association, 36, Booth-street, Manchester, can supply any quantity.—G.

PENDERN CONSOLS.—A correspondent, in your last Journal, in reply to "A Small Capitalist," gives an erroneous statement of the geographical position of this mine, whether ignorantly or designedly, I cannot tell. He says, "The rich dividend-paying mines of Botalack and Levant are on either side, Pendeen Consols being the centre." Such a statement is calculated to induce an over-confidence in the mine, and should be corrected. I find, from a neatly-executed plan of the district, by Mr. R. Symons, surveyor, Truro, that Pendeen Consols adjoins neither Botallack nor Levant. Going northward, the mines stand in the following order:—Botallack, Spearne Moor, Levant, North Levant, Boscaswell, Boscaswell Downs, Pendeen Consols.—An Acass: Camborne.

West Weal, Jane—"A Subscriber."—This mine is divided into 10,000 shares, and commenced working with a capital of 10,0001, raised in four instalments of 5s. each. The amount of calls (thirteen in number) from the commencement of the undertaking have amonated to 24, 10s. 5d., and the present price is about 10s. The price in the beginning of 1814 ranged from 24, to 34, which arose from the gold mania. The prospects at present may be considered good, the sdjoining mine, Wheal Jane, having returned large profits, considering the outlay.

Mineral Wealten or Newfocushland.—In the information on this subject, in last week's Journal, the English Ridge Mine was described as Mineral Ridge Mine. In our next, we expect to publish a sketch, from original notes, relative to the general features of the colony.

Carrone Carron Mineral Mineral Ridge Mine.

Jahannes Cherk Mining Company.—A shareholder enquires what has become of the remaining sum which the directors promised to return. I made some enquiries at the office regarding this matter, when I was told by Mr. H. Nesbitt, the secretary, that the money had been deposited with the Chairman on interest, he having given securities for the amount so entrusted to him. That Chairman was John Sadler, F.-q. After his suicide, the securities were found to be worthless, and consequently the Carsons Creek shareholders lost the deposit that should have been returned to them.—T. B. F.

them.—T. B. F.

When L Kitty (St. Agnes).—" K." (Old Broad-street).—We are unable to give a full report of this meeting, as our reporter was refused admission, and it is the only company conducted in this otherwise well-regulated office of which the proceedings are not fully detailed in our columns. It is said to be through a certain party who, although receiving pecuniary benefit from illumination, prefers darkness to light.

although receiving pecuniary benefit from illumination, prefers darkness to light.

Parker Law.—I often read the remarks on this subject in your Journal. I notice last week Mr. P. W. Campin defends the principle of protecting the rights of people who resuscitate old inventions, if I may so use the term, which in the majority of instances have been tried and found abortive. Before any one attempts to bring any improvement before the world he ought to have investigated the matter thoroughly, and have ascertained what others have done before him. Were this the case, we should not have so many crude inventions, one-half of which are merely the emanations of diseased brains; while a considerable portion are merely patented for the purpose of extracting money from the gaping multitude. The patentagents would do good service, not only to their clients but the world in general, if they would advise these gentry to ascertain whether many of their lucubrations are not already before the public, and to see what success they have met with. At present every man who has what he thinks a new idea can get it patented, whether it be novel or not. This often only leads to an endless source of litigation, and a fruitless expenditure of money.—CERBERUS.

SUUTH HUSGROST TIN MINE, CALFOCK.—I perceive by your valuable Journal that

purn Hinoston Tin Mine, Calender.—I perceive by your valuable Journal that this mine is stated to be divided in 8000 shares; 2s. paid; present price % to ½. Can you inform me whether they have any offices in London or on the mine; or whether, in fact, any operations are being carried on ?—An Old Subscalber.

Whether, in race, any operations are only carried to the high charge made for the plan of this mine—214. I have since had a conversation with a surveyor, who can do the work in every respect as well as that is done, and he informs me that 50 or 64, is the usual charge, and that he would not have charged more if he had undertaken the work without any agreement as to price. It is swrong both to charge and to pay such an exorbitant sum. Who is the manager?—Acres.

and to pay such an exorbitant sum. Who is the manager?—Agent. WHEAL VYVYAN (Constantine).—Mr. Watson must have been misinformed respecting this mine, as the last workers, alluded to by him, not only made no profit, but ruined themselves. I was on the mine a few days since, and ascertained the fact from one of the sufferers. As some future parties may make use of Mr. Watson's quotation (which I am quite sure has been done through error), it is right that the public should be correctly informed on this matter. Anyone desirous of doing so, has only to apply to Capt. Bargan, Helston, or to J. Collins, Constantine, to prove the accuracy of this assertion. Mr. Watson descress the thanks of every Cornishman for the pains he has taken, and the care and correctness displayed governily. Though he has inadverdently omitted many extensive and important mines: this is, perhaps, owing as much as anything to the apathy of the captains; but a little energy on the part of Messra. Watson would soon rectify this.—Cornespondent.

THE MINING JOURNAL

Railman and Commercial Gazette.

LONDON, JANUARY 16, 1858.

"After a storm comes a calm," is true in a figurative as well as a phycal application. The experienced seaman, or attentive student of na sical application. sical application. The experienced seaman, or attentive student of nature, watches the barometer with intense care, and the cautious observer of the times regards with equally sensitive feelings the signs therein to be read of the indications of an approaching storm, which by casual observers would be wholly unheeded or disregarded. When a terrible storm shall have passed away, causing the most disastrous wrecks and delapidations, these wary parties do not sit wringing their hands, and weeping and lamenting their misfortunes, but philosophically and wisely set about making the best of their time during the succeeding calm, repairing that which may be damaged replacing if no sible, that destroyed and respining

making the best of their time during the succeeding caim, repairing that which may be damaged, replacing, if possible, that destroyed, and reaping any advantage that may offer itself.

A little attention to this subject abould teach us to profit by the devastating tempest through which the commercial interests of this great country have lately passed (we say passed, for we trust and believe the crisis is over, and confidence reviving), and to take advantage of the advent of a

late period of extreme trial, and see how the mining world withstood the shock of the typhoon which has see shaken commerce generally, and we shall find less cause for complaint, and leas actual loss, than in any other class of speculative property whatever. Though the prices of metals have seriously declined, and their ores correspondingly reduced in value, yet the mines themselves, de facto, have not been permanently injured. Discouraged and crippled for a time the miner certainly has been, but he knows and feels he is ultimately secure, that he has the silent but sure processes of Nature, the tempus clax review, for his safeguard; that whether the commercial world suffer weal or wee his products are being consumed, and must be replaced; that tin will rust and copper decay, coals must and will be consumed, earthenware will break, and mankind will multiply. He feels assured that when the storm shall have passed over sunshine will succeed, when his services will as certainly be again called into requisition. He, therefore, has only to bide his time, and prepare for that increasing demand which must arise from the inanition of the period, and the consequent reaction. He, therefore, should not relax one whit of his endeavours to prosecute discovery, confirm his suppositions by practical development, and prepare to meet that supply he will most decidedly be called upon to furnish.

The fall that has taken place in the prices of shares in mining undertakings is in some instances very considerable; in many, unworthy and analysis in all, only caused by panic. It must be remembered that share dealing is not mining; that many persons were compelled by the force of circumstances to sell such properties as would fetch money the force of circumstances to sell such properties as would fetch money at his particularly tin and copper, at the mines themselves, as a whole, never looked bette. That when an improvement, money is becoming cheaper, trade reviving, and the standard improvement, money is becoming cheaper, trade reviv

Having stated that we do not consider ourselves justified in devoting any further space to the discussion of Mr. Mushiff's methods of making attel, &c., until we may be in possession of facts such as have been pointed out to be necessary for settling this question, we must refrain from offering any reply to the remarks contained in his letter, which appears in this week's Journal as an advertisement. To those of our readers who may be interested in this subject, the merits of Mr. Mushif's remarks will be self-evident, and we refer to the articles that have appeared in our columns as proof that there was every desire to do him full justice. We have borne testimony to the excellence of the steel sent to our office by Mr. Mushif's we have even admitted Mr. Mushif's first proposition, that by the method he adopted he has made good steel; but guided by the light of recorded facts, we felt compelled to point out that Mr. Mushif's account of that method was inconsistent with what is known with regard to the connection between the qualities of steel and its composition, and to other points in the chemistry of iron metallurgy. We do not lay claim to the merit of having discovered the chemical data, or propounded the opinions that we have shown to be opposed to Mr. Mushiff's views. Nor are they put forward for the purpose of being blindly believed, without the possibility of testing their antecedents and title to acceptation; these may be found in any work treating of the subject. We have also admitted that Mr. Mushiff may for the treating of the subject. We have also admitted that Mr. Mushiff may be in possession of knowledge that will put to confusion the received opinions, both metallurgical and chemical, in which we have hitherto trusted; that, indeed, he may be the herald of a new creed in these matters, and we, as free thinkers in this case, have urged upon him not to "thick his light under a bushel," but to let it corne forth to the confusion of hereties and "unscruptious men." We feel convinced that any man who c

We would draw the attention of our readers to Mr. Murchison's Review of British Miniming for the Quarter and the Year ending Dec. 31, 1857, published this day, and a long extract from which appears in another column. It will be seen that there is still an increase in the dividends paid over previous years, and that for the whole year the average price per ton given for the copper ores of Cornwall and Devon is higher than that given in 1856, notwithstanding the average produce is lower. It then appears that the mines have yielded in 1857 about 150,000% worth of fine copper less than in 1856, and about 43,000% worth less than in the year 1855, facts tending to keep up the price, seeing that the exportations of British copper have increased, while the exportations of foreign copper have also increased almost in proportion to the importations. The prospects to the miner are, therefore, encouraging, and as the returns have fallen off considerably from some of the older and larger concerns, the younger mines will doubtless derive considerable benefit from the firmness and probable advance of prices. There is an increase in the dividends paid by tin mines, from the very high price of that metal during a consiand probable advance of prices. There is an increase in the dividends paid by tin mines, from the very high price of that metal during a considerable portion of the year; while the lead mines, which paid 75 per cent. of the total increase in 1856, are again larger. The reduction in wages and materials will be of advantage, particularly while the metals remain so low as at present. Mr. MURCHISON refers to the nature of the constitution of mining companies, and shows very clearly the difference between cost-book companies and companies under the new Joint-Stock Act. We would earnestly solicit shareholders to peruso his remarks, which are of the utmost importance to all. In this Review the author has entered more fully then usual into the residue and respects of the principal dividend

would carnestly solicit shareholders to peruso his remarks, which are on the utmost importance to all. In this Review the author has entered more fully than usual into the position and prospects of the principal dividend and progressive mines, giving such information as may be useful to those interested, or disposed to embark, in this class of investment.

We cannot conclude these brief observations without referring to the great good which Mr. Munchuson's publications have done for the mining interest. They have drawn attention in a legitimate way to the bona fide undertakings, and shown how successful such concerns generally become where carried out under honest management, and spiritedly persevered with. Want of sufficient capital has hitherto been the chief cause of abandonments, and it is well known that most of the best mines have of abandonments, and it is well known that most of the best mines have been successively in the hands of several companies before coming into a profitable state. We have noticed that in the last three or four years there "good time coming," not to reflect on the gloomy past, but hail with joy that prosperity which is evidently near at hand; the mere fact of doing so will, as much as anything, hasten its accomplishment.

Let us, however, take a retrospect of the mining interests during the lately made good discoveries, the shares in which were almost unsaleable

ext
wh
400
Me
loa
riel
a n
sma
and
in
the
5 fi
lon
tog
pla
is o
flan
the
this

bott free 10,6 heat

mag char able of t

work
abo
coll
pear
the
a coll
down

ure

and

tely that

f infore

ting

this

may ll be

thod that oints that

Mr.

him

need

inhat it

rnish such sour

him-

ought

airing

y this aught why rell as

bt, he

c. 31, nother idends

en ap-of fine e year ons of copper

s have ns, the idends

wages remain consti-etween

we are of d more vidend o those

to the mining ne bona ally be-

perse-f cause es have g into a rs there

young s, have aleable

not long ago, but now in good demand, and the returns likely soon to be yielding profits. The great feature of these Reviews is their practical character, and the clearness and ability with which they are written.

The reaction which we anticipated, as the consequence of the high price of money, which has so much affected all commercial transactions, has been much more rapid than was generally expected. Another reduction, and any of these diseases.

ON THE LONDON SEWERAGE.

The drainage of the metropolis and the dealing with the sewerage has now engaged the attention of many of the first engineers, chemists, and the minimum stands now at 5 per cent, for the first time for near nearly 4 year and a half. It is believed in well-informed quarters and an animals with the sewerage has now engaged the attention of many of the first engineers, chemists, and the minimum stands now at 5 per cent, on succeeded each other, but still nothing is done.

The drainage of the metropolis and the dealing with the sewerage has now engaged the attention of many of the first engineers, chemists, and succeeded each other, but still nothing is done.

The drainage of the metropolis and the dealing with the sewerage has now engaged the attention of many of the first engineers, chemists, and succeeded each other, but still nothing is done.

The drainage of the metropolis and the dealing with the sewerage has now engaged the attention of many of the first engineers, chemists, and succeeded each other, but still nothing is done.

The drainage of the metropolis and the dealing with the sewerage has now engaged the attention of many of the first engineers, chemists, and a still further reduction will take place before long, as all appearance indicate that the gold in hand, and the steady increase of which has led to the present relaxation, will continue to accountable the sewerage has now engaged the attention of many of the set they are all the sewerage has now engaged the attention of many of the set they are all the sewerage has now engage The reaction which we anticipated, as the consequence of the high price of money, which has so price and affected all commercial transactions, has been much more rapid than was generally expected. Another reduction in the rates of discount was declared by the Bank of England on Thursday last, and the minimum stands now at 5 per cent., for the first time for near nearly a year and a half. It is believed in well-informed quarters that a still further reduction will take place before long, as all appearance indicate that the gold in hand, and the steady increase of which has led to the present relaxation, will continue to accumulate, further arrivals being expected from various quarters. A corresponding reduction of 1 per cent. has also been made by the joint-stock banks and discount houses in the rate of interest allowed on deposits, while the London and Westminster Bank has reduced the rate allowed to 3 per cent. on sums of 500%, and upwards, and to 2 per cent. on lesser amounts at call. How beneficially the relief thus afforded must operate on trade and commerce generally is very evident. Depositors who were content, and not unreasonably, with the liberal interest paid by the banks for some time back, will seek new channels of investment, and look with favour upon enterprises that were a few weeks ago wholly disregarded.

Now that the crisis is virtually past the attention of the financial world will be naturally directed to the enquiry which the meeting of Parliament will inaugurate, into the causes of the late serious monetary difficulties. The position of the joint-stock banks, in relation to their shareholders, their depositors and the public, will, we believe, from the tendency of recent strictures which have engaged public attention, occupy the consideration of the London joint-stock banks; which, besides the periodical statements of these institutions from their earliest dates, notices auccinctly the question of the substitutions from their earliest dates, notices auccinctly the question of these institu

Our contemporary, the Daily News, seems to have raised a commotion, both in the North and West, by the articles that have recently appeared in that paper on the kind of coal suitable for steam navigation. The object of these articles is to prove that the reports furnished to the Government on this subject by Dr. Lyon Playfall, while chemist to the School of Mines, and under the direction of the late Sir Henry De la Beche, are valueless, inasmuch as they are stated to be based upon erroneous assumptions, and supported by imperfect experiments made with defective apparatus. Singularly enough, this charge is in the main admitted by Dr. Playfall; and still more remarkable, he offers as an excuss the occupation of his time by other official duties, and the consequent necessity of leaving the execution of the experiments to assistants. If we remember correctly, this was the first and the only attempt that has been made by the officers of the School of Mines to furnish scientific information on practical subjects. The undertaking was also supported by liberal grants of public money, as well as by private liberality; and from the fact that the reports were very soon out of print, it may be inferred that some value was attached to the investigation. Under those circumstances it is certainly not calculated to inspire much confidence or hope in the proceedings of this department, to find than an investigation, apparently so elaborate, and carried out under circumstances so favourable for rendering it trustworthy and complete, should be liable to question, even in minor details.

As it is, the whole question of fuel for steam navigation seems to be

minor details.

As it is, the whole question of fuel for steam navigation seems to be again rendered an open one, excepting so far as practice may in the mean time have decided what, it would appear, our scientific men have failed to do. The writer of the articles in the Daily News seems to have a latent bias in favour of "north country" coals, as preferable to Welsh coal for steam navigation.

bias in favour of "north country" soals, as preferable to Welsh coal for steam navigation.

The consideration of the question between the two involves points for and against both sides, and we purpose offering some observations on the subject shortly. It may, however, be remarked that the term "Welsh coal" is extremely vague, including not only differences of quality, but of kind, and that in order to avoid as much as possible the odium of invidiousness in making a comparison, it is highly desirable that the things to be compared should be clearly defined before giving the preference.

Mercury Mines of New Almaden, California, —The Californian moreury mines are situated in the Santa Clara district, 12 miles from the town of San José, which again is 54 miles from San Francisco. The mercury ore was discovered in 1843, by Capt. Castellero, who, observing that one of the native Indians painted himself red with cinnabar, but kept the source of the pigment secret, followed him secretly, and found the place where he collected it. The working of the ore was commenced in 1846, by an English company, whose operations were not profitable. In 1849 it fell into American hands, and at the present time 39,009 bottles of mercury are obtained annually. The mine is entered by a horizontal gallery, extending 1209 ft. into the rock, with lateral galleries 7 or 8 ft. diameter, where the cinnabar is dug; one of these lateral workings already extends 400 ft. In the main gallery there is a tram-way. The miners are native Moxicans. The ore is raised with picks, shot into sacks made of skins, loaded upon the trucks, and removed from the mine to be sorted. The richer ore is separated in lumps of 20 or 30 lbs., and sent in wagons, about a mile and a quarter down the mountain, to the smelting works. The smaller fragments, mixed with yellowish loamy ore, are kneaded with water, and formed into bricks, adobés, which are dried in the sum, and then worked in the same way as the larger masses of ore. The apparatus for smelling the ore is very simple; it consists of a kind of reverberatory furnace, 3 to 5 ft. high, and communicating with a row of eight or ten chambers, 8 ft. long, 4 ft. broad, and 5 ft. high; these chambers are built of bricks, held together with iron bolts; at the top, each chamber is closed by oast-iron plates, luted with sait and ashes. The furnace is heated with wood, and is connected, by means of a network of bricks, with the ore chamber. The flame of the first strikes through the angular channels of this network in the chamber is forced to pass in a spiral course through the ciph the order to the chamber

cussed, and rejected—commissioners, engineers, and schemers have rapidly succeeded each other, but still nothing is done.

It is made a sins qua non that no sewage is to pass into the Thames, because it is assumed to adulterate its waters ad nauseum, whilst it deposits upon its shores successive layers of putrid mud, which seems to invite intermittant diseases of the most dangerous kinds, whilst it produces a constant succession of nuisances to the smell of the inhabitants.

I confess that I am one of the few who think that many of these evils may be alleviated by the provision of unlimited supplies of water for the cleansing of the present sweets, and, with additional measures, that the evil may be so modified as to cease to be that gigantic nuisance which it has heretofore assumed; for it is a strange and important fact that in the lower parts of the river and pool the water is sufficiently pure as to fill the drinking casks of vessels of every description, and we do not understand that such water engenders disease, or is in the least degree unwholesome. Professors Hofmann and W. Witt have prosecuted most voluminous experiments upon the nature of the sewer and Thames waters, and of the capability of deodorising or converting them into manure, &c.; but all their experiments fail to show that any practical result can be anticipated, otherwise than in the adulteration of the river, and that the only cure is the stupendous scheme of carrying the sew-rage away towards the ocean—a process which is beset with so much difficulty and dreadful expenditure, that it is not to be wondered at that so many and such varied opinions have been, and will be, broached upon it.

My attention, therefore, has been directed to a process easy in expenditure, and containing plain and practical grounds, if not for an absolute cure, at least for a speedy and certain alleviation of the evils. Messre, Hofmann and Witt give an analysis of the percentage of organic matter contained in the mud at different points in the river's course at flo

| Hammersmith | 16-91 | Wandsworth Look | 21-32 | Westminster Bridge (high water) | 22-14 | London Bridge (ditto) | maximum 27-69 | Victoria Dock (ditto) | 15-88 | Bainham Creek (ditto) | 17-22 | 15.88 17.22

3. Hungerford Bridge	1485
Waterloo Bridge	1080
Risokfrings Bridge	790
Southwark Bridge	660
3. London Bridge	692
3 64 65 day 6 65	and especially at the bruges, which I find to be as 1. 1. At the Peritentiary Water-way (fee) 2. Westminster Bridge 3. Hungerford Bridge 4. Waterloo Bridge 5. Temple Gardens 6. Blackfriers Bridge 7. Southwark Bridge 8. London Bridge

The Pictorial Handbook of London, published in 1854, contains some very appropriate and corroboratory statements relative to the prejudicial effect of the unequal widths of the river and water-way:—

At the ebb tide, the respective velocities of the tidal wave are stated as follows:

Miles per hour.

Prom Westminster Bridge to Waterloo Bridge ... 2.27

Waterloo to Blackfriars ... 2.854

Blackfriars to Squthwark ... 3.70

Teddington
Rise of tide at Deptford—spring

EXTRANEOUS MATTER IN SUSPENSION IN THE THAMES WATER.—Dr. Bostock, in 1828, estimated the proportion of solid matter in suspension at 1-5000th part of the weight. At Richmond, the Thames is as foul as in the heart of the river. (Parliamentary Committee of 1848.) The organic matter varying from Westminster Bridge upwards between 0.85 and 1.43 grains to the gallon. The amount of dissolved matter not being very perceptibly greater at London or Westminster Bridge, where the water looks so dirty, than at Kingston, Kew, or Richmond, where it is so beautifully clear. beautifully clear.

Now, under the above statements, how can it be otherwise than that

Now, under the above statements, how can it be otherwise than that those parts of the river in which the greatest discharge of sewage takes place are those parts in which the current is the most sluggish and ineffective; consequently, the deposit becomes the most excessive, and that, too, in the very heart of the metropolis.

And this basis being once admitted, it leads inevitably to the conclusion that a contraction and equalisation of the tidal current would, without doubt, greatly reduce the action of deposit, and, of course, diminish the evil so strongly set forth in the reports of Messrs. Hofmann and Witt, and adopted by the reporters appointed by the Chief Commissioner.

To adopt, therefore, my notion of improvement, instead of being extraordinarily expensive it would, on the contrary, be vastly profitable, whilst

Since writing the above, I have perused some remarks upon the "Sewage of London," read before the Society of Arts, by Mr. Henry Allnut. The principal point urged by Mr. Allnut seems to be the separation of the sewage from the storm and other waters, with statistical calculations as to the amount of rain fall, &c., over the varying areas assumed by Mr. Baxalgette and other engineers. Into these calculations I will not presume to enter; but I concur with Mr. Allnut in his representation of the innumerable pipes, gas, water, &c., that cannot fail to present great and fatal difficulties to the progress of the gigantic sewers now in contemplation. For instance, in Parliament-steet alone there are 18 pipes, 12 of which number are gas-pipes, 4 water-pipes, 1 for the telegraph, and 1 drain, beside the sower. The Chartered Gas Company own 5 pipes, the Equitable 3, the London 3, and the East Gas Company I. In Bridge-stree, there are 16 pipes; and at Charing Gross there are upwards of 30 gas and water-pipes. Such being the case already, it does but fortify one in the opinion that the difficulty of carrying out the grand sewer system now projected will be found insuperable.

As to the rate of fall proposed, I see that the late Mr. Frank Forster, with the approbation of the twen Metropolitan Commissioners, and disinterested engineers of eminence, ado, ted a fall of 4½ feet per mile, the whole sewage to be delivered into the Thames eight miles below London; and to sewage to be delivered into the Thames eight miles below London; and to sewage to be delivered into the Thames of the fall, leaving a wide margin for professional theory.

THE MINING AND INDUSTRIAL INTERESTS O. CORNWALL.

THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL.

[PROM OUR CORRESPONDENT IN WEST CORNWALL.] JAN. 14.—The copper standard last week slightly receded, as compared with the preceding week, but showed an advance of 2l. 5s., as conjugated with the standard in the corresponding week of December. Though the prices of metals are at present low, mining shareholders are looking forward with much confidence to an improved state of things in the spring ward with much confidence to an improved state of things in the spring of the year; and, in consequence, the shares in many mines are assuming an upward tendency. It is remarked by some of the older agents and adventurers in copper mines, that it is only of late years, since the expansion of trade consequent on free-trade measures and the increased construction of machinery, &c., that the price of fine copper, and the standard for copper ore, have gone up to so high a figure, in comparison with former years. The miners have undoubtedly benefited considerably by the great increase of trade, and the large consumption of copper within this recent period; and the smelters have taken care to benefit still more than the miners. The high prices of copper and copper are commenced about five years ago: before that time, for many years, prices were very low, and the standard lower than it is now, or has been during the commercial crisis which has now passed over. A few figures will make this statement very plain, taking the first sale in January for a series of years:

Years. Standard. Produce. Ore copper. Cake copper.

Pendeen continues to look very encouraging; and North Levant presents indications of a good mine. Wendron Consols is looking well, and this and other tin mines will be in a good position in the course of the year. At the Quarter Sessions, held last week at Bodmin, three miners were indicted for what is locally called "kitting," or stealing ore from another past of a mine to add to the value of the produce of their own pitches. The three miners charged were Thomas Cock, James Davey, and Francis Teague; they worked in Great South Tolgus Mine, and the offence was committed in September last. In the 70, near the shaft, were two pitches, one of which was taken by Davey and Teague, at 12s. in 1l., and the other was taken by Cock and Middleton (the latter having since gone to Australia), at 10s. in 1l. In Sept., when the two-monthly "take" had expired, the captain was surprised to find that these two pairs of men claimed tribute on a large quantity of rich yellow ore, said to have been broken in their pitches, where the tributes were high through the lode being poor.

Tribute was claimed on more than 7 tons in Davy's pitch, of 72 produce, and more than 64 tons in Cock's pitch, of 64 produce. The captains suspected that all was not right, but had no proof at that time, and, consequently, the tributers were paid, 284. 14s. for ore raised in Davey's pitch, and 124. 10s. for ore raised in Cock's pitch, after deducting costs. In the same level, however, where these mirgers worked their pitches were some rich stopes, yielding ore of 9 or 12 per cent. produce in some places, and 15 per cent. in others; and it was now proved to the jury, by the evidence of two skip-fillers in the 70 fathom level, that the tributers above named took rich ore from the adventurers' piles, near the stopes, worked at tutwork, and carried quantities of it to their own piles, in barrows, in their shirts and pockets, and by other means. Capt. John Daw, the manager of the mixe, gave evidence of the identity of the rich yellow ore on the prisoners' piles wigh that broken in the stopes; and samples were produced to the court and jury, Capt. Daw stating that the rich yellow ore could not have been broken in the prisoners' pitches. Capt. Joseph Jewell, the managing agent of East Tolgus, stated that on measuring the ground which had been broken in Davey's pitch, he made it 82 cubic ft., which space could not contain 7 tons of dressed ore, besides "attle." The usual calculation was that about 20 cubic ft. of dressed ore made a ton weight. The jury found the prisoners guilty. Jas. Davey was sentenced to air manths' inversement with head labour. They are Cock to the court with head labour. They are Cock to the court with head labour. Tribute was claimed on more than 7 tons in Davy's pitch, of 72 produce, ton weight. The jury found the prisoners guilty. Jas. Davey was sentenced to six months' imprisonment, with hard labour; Thomas Cock to four months; and Francis Teague to two months.

REPORT FROM MONMOUTHSHIRE AND SOUTH WALES. [PROM OUR CORRESPONDENT IN SOUTH WALKS.]

JAN. 14 .- The disturbed state of the district still continues, though not in so serious a degree as we have recently had to report. The strikes an Mommouthshire may now be said to be over, the whole of the Pontypool men, who have held out he longest, being prepared to go in as soon, as the furnaces are in blast, a process which has been going on during the week. The docreased wages have, of course, been refucitedly accepted, and the fear of decitation has prevailed above every argument listed on the first decided of decided the prevailed above every argument listed of the first decided. Much dissatisfaction is generally expressed by "is men, at on the first decided in the first decided of the course of the first decided of the firs in Monmouthshire may now be said to be over, the whole of the Ponty pool men, who have held out the longest, being prepared to go in as soon as the furnaces are in blast, a process which has been going on during the week. The decreased wages have, of course, been reluctatily accepted,

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE. [FROM OUR CORRESPONDENT IN CHESTERFIELD.]

Jan. 13.—The reduction in the rate of interest from 8 to 6 per cent. has not had the effect of promoting any improvement at present, but hopes are entertained that this circumstance, coupled with the improved aspect of monetary affairs in America, will occasion a better trade. Though the reduction of 20s, per ton has been declared, we hear frequent complaints of underselling. The continental orders are limited, and those for home reduction of 20s, per ton has been declared, we hear frequent complaints of underselling. The continental orders are limited, and those for home consumption are confined to immediate requirements; but as stocks are low throughout the whole of the iron districts a revival of general trade would soon be felt. The demand for pig-iron is limited, although the shipments this week show a slight increase over those of last year. In the district of Middlesbro' not more than half the furnaces are in blast, and a great number of men out of employment. The quotations for Cleveland pig-iron are 58s., 69s., and 63s.

The Coal Trade has improved during the past fortnight as regards the demand, but as the weather has been unusually fine and warm, the consumption for household purposes has decreased. In several instances in Lancashire the men have reduced to accept the reduced rate of wages, and baye turned out on strike. We are glad to notice that there are but few instances of his nature to record.

The Hollingwood Pit, at Staveley, is still closed, and the four bodies, which formed a portion of the twelve sufficated, are still unrecovered. The workmen are suffering much from want of cupplyment. Mr. Barrow being under contract to cupply several gas companies, has been compelied to convey coals to Staveley to satisfy the demands of his end-touers.

that the mine can be proved for a very small outlay, though up to the present time about 6000f, have been expended on the mine and plant.

The prospects of the Chapel Dalo Mine are good, and it has been proved by an engles of 8-horse power. The shares (1f. paid) are firm at 5f. each.

The Eyam Mine is said to be not looking so welf as formerly. This seems to account in a great measure for the fall in the price of shares, which have been 6f. or 7f. lower than formerly.

The Kyam Mine is said to be not looking as well of shares, which have been 65 or count in a great measure for the fall in the price of shares, which have been 65 or Cut in a great measure for the fall in the price of shares, which have been 65 or cut in a position to pay a divided at once if the directors see fit to do so, but they are in a position to pay a divided at once if the directors see fit to do so, but they are in a position to pay a divided at once if the directors see fit to do so, but they are in a position to pay a divided at once if the directors see fit to do so, but they are more favourable to the idea of having a good reserve fund.

The Mill Dam Company came into possession of their property on Tuesday. The zone had incompany are about to adopt a line of policy which will onable them to realise very favourable results at an extremely moderate outlay. At the Hill Top Mine, which adjoins the Mill Dam property, some very rich ore is now being got. The vein to which we re now alluding was cut last week, and we have have been sold this week at 1. to 11. 2. 64, premium, leaving off with a good demand.

The workings of the Calver Sough Lead Mine hard been resumed, under the superintendence of Mr. Bentley, the company's agent. A ... "we significability are anticipated, ing-engine has been ordered in Cornwall, and highly-profitable results.

THE IRON AND METAL TRADE OF SOUTH ISTAFFORDSHIRE

FROM OUR CORRESPONDENT IN WOLVERHAN JAN. 18.—The quirterly meetings of the trade of this district have been, or are being, held this week. Of these, the only important ones in connection with the staple trade are those of Wolverhampton, held on Wednesday, and Birmingham, which took place yesterday. At noither meeting was much business done. The duction to reduce prices 20%, per ton & an austic of course, ratified. As yet no actual improvement in the demand for trot can be reported, and an order are now getting decisely swined out, extremely not the probabilities appear to be strongly against the. In pip little is doing, but prices are asid to be a shade forces. Many prochases have no close but to sell to an entire the probabilities appear to be strongly against the. In pip little is doing, but prices are asid the man of the probabilities and the resolution of the probabilities of their excitors would be impaired. The consequence is that prices keep lower than they would but for these hours and the prices are asid to the first quality. It bought at 21. (b), for a superior kind 31. 12. 6. 11 is given, and it is said that asics were effected at Birmingham yesterday at 31. 13. 6. The general jumps control papers to be that an improvement with left in a few weeks. Iron is a constant necessity throughout the world, and the absence of orders for some time necessarily involves to be that an improvement with left it is a few weeks. Iron is a constant necessity throughout the world, and the absence of orders for some time necessarily necessary to be that an improvement with left it is a few weeks. Iron is a constant necessity throughout the world, and the absence of orders for some time necessarily involves of landwarf times have been hold during the week. Meeters Pearson and Knadrick, iron merchants of this town, began business in 1852 with a capital of 2000. They failed a month are, and estimate their like the world and the surface of the control of t JAN. 18 .- The quarterly meetings of the trade of this district have been or are being, held this week. Of these, the only important ones in co nection with the staple trade are those of Wolverhampton, held on Wed-

force the magnetizates with great negligence in relations, to wontensay, charged before the magnetizates with great negligence in relating three men, who were ascending a shaft, a great height above the pit's month, their being drawn over the pulley being only prevented by an accident. Fortunately, the wagon was got partly over the month of the pit. Two of the men reached the ground without any serious injury, but the third, whose finger got entangled, lostit, and had to have a portion of his hand amputated. The engineer was sentenced to six months' imprisonment.

STOCK, MINING, AND RAILWAY SHARES IN IRELAND.

JAN. 14.-The stock markets have been very steady this week, owing to the favourable state of the Bank returns, and the general ease in the money market. The effect, however, of this favourable change in monetary affairs is more apparent in the advance in the prices of shares during

a portion of the twelve sufficated, are still unrecovered. The workmen are suffering much from want of employment. Mr. Barrow being under contract to supply several gas companies, has been compelled to convey coals to Staveley to satisfy the demands of his customers.

The adjourned inquest on the four men killed by the breaking of a rope at the Persecurance Collierry. Killamarsh, resulted in the verdict of "Manelaughter" against William Trusswell, the engine tenter, who was committed to Derby Assizes. Twigg, the banksman, was discharged from custody.

The present Praisevell, the engine tenter, who was committed to Derby Assizes. Twigg, the banksman, was discharged from custody.

The present part of the Wicklow Copper, 38%; Cork and Banksman, was discharged from custody.

The present part of the Wicklow Copper, 38%; Waterford and Limerick, 20%.

The present part of the Wicklow Copper Mining Company was held to-day, and it is most encouraging to find the company in the prosperous state in which is balance-sheet proves it to be, enabling the directors to declare a dividend of 30s, per such that the to-datone, at which point the old company abandoned it for want of eapital, when it was said that its prospects were favourable. There are two engines, and the necessary machinery for orashing and dressing, the whole of which have been purchased from the liquidistors of the old company of 430l. It is now proposed to raise the necessary capital to pay for the purchase, and to work the Victorial Mine at Abover, nor the full company of the Mining Company (II, paid), 2%; Mining Company of Ireland, 16, ex div.; Dublin and Westorn, 59; Waterford and Limerick, 20%.

The present value of the Wicklow Copper Mining Company of the Wicklow Copper Mining Company of the Wicklow Copper Mining Company (II, paid), 2%; Mining Company of Ireland, 16, ex div.; Westorn 40; Xillianney Junction, 10; Milliand Great Westor

with the shafts, levels, and machinery, continue in permanent good order, and with an improvement, and greater certainty of expeditious means of carriage, our general prospects warrant the expectation of continued well doing." The directors stated that the demand for the pyrites was greater than they could, for want of proper facilities of carriage, supply; and they consider that the heat half-year will be a very prosperous one. The company is about being regist. Yed under the Limitted Liability Adt, 1854-7; this will give greater security, and confer a great benefit upon the condition of the company.

The General Municy Company for Ireland have made a call of 10s. per share, and

Act, 1856-7; this will give greater security, and confer a great benefit upon the condition of the company.

The General Mixing Company for Ireland have made a call of 19st, per share, and very sangulae hopes are entertained that the proceeds of the call will place the company in a very excellent patton. The property is without doubt a highly valuable one, and only requires development.

Next week I shall allude to the Mixing Company of Ireland, and their list half-yearly meeting. A friend, who recently visited the model lead smallting works (Ballycorus), the property of the Mining Company of Ireland, informs me they reflect great credit on their sole niting manager, Mr. Alfred Jenkin, the inventor of the double reverberatory farnace—which, by the way, is making a profit of 450t, per annum over the ordinary single.

The annexed return of coal-laden ships, which have arrived in Dublin during 1857, ill show not only the extent of that trade, but also how distributed among the pro-ucing districts:—

CUMBERLAND—Whitehaven, 386; Maryport, 524; Workington, 170; Harrington, 48 = 1126.

SCOTCH—Troon, 247; Ayr., 52; Ardrossan, 92; Irvine, 68; Salteoats, 14; Glasgow, 116 = 859.

LANCASHER — Liverpool, 523; Mostyn, 33; Chester, 36; Preston, 30; Runcorn, 16 = (less 60 ve-sels with salt) 578.

SCOTCH — CARLOS — C

INDUSTRIAL PROGRESS ON THE CONTINENT. [FROM . OUR PARIS CORRESPONDENT.]

INDUSTRIAL. PROGRESS ON THE CONTINENT.

[FROM OUR PARIS CORRESPONDENT.]

JAN. 14.—Public funds have experienced a slight decline; shares generally have fallen, and there appears to be an inclination to relapse. The confidence which was developed last week has not been sustained, but this failure must be imputed rather to th. mercurial disposition of the public than to any change in the monetary or commercial state of affairs. The calm which is still prolonged in the metal markets arises, I am inclined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to think, from the period of the year as much as from the depression of tradelined to the following the

Greuot, 2217s.; viewe amagine, souries; trand combe, worse; rottee and Sénéchas, 300 fra.; Silésia, 240 fra.; and Loire and Ardréche, 4165 fra.

As a corollary to the observations which were transmitted on a previous occasion, respecting the pretended general use here of aluminium in the shape of domestic articles and ornaments, I subjoin an extract from an article on the communication made to the Society of Encouragement, which was written by Dr. Blanchard, the senior, and one of the most distinguished members of the Paris scientific press:—"Thus, up to the present time, where has aluminium been seen, except in assemblies analogous to one spoken of (the Society of Encouragement)! Who are the latties who wera aluminium jewellery? Where are the kitchens in which this new silver is substituted for copper? Where are to be seen the dinner services produced in the factories at Janelle, and the Carrifee de la Sante (aluminium works)? We should be much embarrassed to answer who drinks out of, or cats off, aluminium? M. Dumas perchance, or M. Sainte Claire Deville, at certain show dinners. If aluminium continues to be so coatly, what difference will there be for the public between the epoch as fruitfal, proximate marvels promised by the brilliant resurrection of this metal, and the former period when it remained for many years under the dismal form discovered by the chemist of Gottingen?"

MINING SPECULATION IN AMERICA.

MINING SPECULATION IN AMERICA.

Boston, Dec. 26.—The continued dullness of the market for ingot copper prevents much activity in mining shares. With a single exception, there has been for four weeks no advance in prices. Considerable shipments of Lake Superior and Chili copper have been made to Europe during the last 60 days, leaving but a moderate stock in first hands. As none can be received from the Lake before next July, and as there will be no margin for profits on importations of South American copper for a long time hence, holders are confident of a sufficient advance to warrant their holding their stock for the spring are confident of a sufficient advance to warrant their holding their stock for the spring trade. There are few subset of linguit copper on credit; the cash quotation is 20 to 21c. The Superior Mining Company has levied an assessment of 31 per share, payable on Jan. 20, by stockholders of Dec. 18. The Filmt sticel River Mining Company has levied an assessment of 50c. pe. share, payable on Jan. 20, by stockholders of Dec. 17.

PITTSBURGH AND BOSTON (C. 1918).—There has been a constant demand PITTSBURGH AND BOSTON (C. 1918).—There has been a constant demand Prosecution is owing to the desire of the director, to give precise results rather than e-timates. Hence the statements now exhibited show the asgregate operations of the mine from the commencement in 1814 to the c. (1864).

Head estate: actual cost of 7743-41 acres of land at the shows the asgregate operations of the mine from the commencement in 1814 to the c. (1865).

Furnaces for smelling at Pittburgh (1867). The short of the strictly available assets.

Dividends, inclusive of mount paid in 1857, from earnings of 1856—\$150 per share on 6900 shares, and eight times more than the capital contributed by the original shareholders.

Prom sales of copper, copper ore, and silver (2,555) 944 77 57, 570 share of strictly available assets.

Saccipts: Capital steek paid in by shareholders.

Nov. 20, 1855.

Production: Tons (2000 lbs.) of rough co

1856. 1,646 1,110 67.48 86,498 91 are not incinded in the available assets. Statement of nancital years entanged from the control of the control

commenced at this mine.

ROCKLAND.—The price has fluctuated from \$30 to \$32. The Nov. yield will not be less than 25 tons. The principal efforts will be made through the winter to develope the mine for the future, rather than to raise copper, as this latter operation can be performed at less expense in milder seasons.

Dupze, Perkins, and Sayles.

-The Governments of the colonies of Victoria and New AUSTRALIA. South Wales have at last connected to their sister colony of South Australia her just demand for an equitable participation in the postal benefits of the overland route—by agreeing that the homeward steamer shall call at Nepean Bay for the Adelaide mail bags. Heretofore the local postal differences have deprived our merchants of the due receipt of intelligence from South Australia by the regular Australian mail; but henceforth these bags will come forward concurrently with those from Melbourne and Sydney. Great credit is due to the authorities at these two places for the Sydney. Great credit is due to the authorities at these two places for the disinterested motive which prompted the concession—indeed, granted under the supposition that there will be a detention of some hours in the under the supposition that there will be a detention of some hours in the transit of their mails to Suez; but the sequel will, no doubt, show that cach of theseveral colonies of Australasia will greatly benefit by the steamers calling at this point, both home and outward, by means of a sub-marine telegraph connecting Nepean Bay with the inter-colonial telegraph at Goolwa, whereby Sydney, Melbourne, Adelaide, &c., will receive European news simultaneously, several days in advance of the delivery of the letters in the usual course; while the dispatch of local intelligence of concurrent dates from each of these places will be transmitted by telegraph to Europe, vià Nepean Bay, several days after the departure of the mails from Port Jackson and Port Phillip, and many hours after leaving Port Adelaide.

commence the delivery of a course of six lectures to working men on Natural Phophy, these being on electricity and magnetism. The whole of the tickets were cosed of as soon as issued, thereby affording a satisfactory proof that the utility hese lectures are appreciated by the labouring classes, for whose benefit they specially instituted. GOVERNMENT SCHOOL OF MINES.—On Monday, Professor Stokes will THE MINERS' FRIENDS-No. I.

BICKFORD'S SAPETY-PUSE—COPELAND'S PATENT CARTRIDGE.

A celebrate political economist asys, "It who makes two blades of grass grow where only one was previously produced, is a true patriot." Why should not this noble distinction be awarded to those who, by their ingenuity and talents, render the dangerous employment of the minor comparatively safe? Is he not a true patriot who preserves human lici, who reduces the chance of accident to the exception and not the rain produced by thus reducing the danger changes the real wall. Honour to such ment let them profit by their inventions, and let the fame thereof be, as they deserve to be, world wide!

These reflections were induced on considering the facilities for blating underground at the present day, and the crude, difficult methods in general use thirty or forty years since. Strange and improbable as it may appear, we actually, on a late occasion, saw the rush and greaced paperbag still in use, and this circumstance riveted the attention we had previously given the subject. The manifold streatings for the late of the result of blatkford's fluw walls, particularly when the cost is so trivial. It wet mines even now prejudice and old associations prevent the should-be unitwreal introduction of Copeland's cartridges. We have for many years borne ample testimony and experience of the intrinsic and immense value of the former; of the latter we were only imperfectly advised. On a late occasion, therefore, as we were passing the magazine of a mine, observing a large heap of the cartridges, we were curious to know how they were approved of by the mines. Be it semembered, the mine is one of the wettest holes in Corawall, and time. Be it semembered, the mine is one of the world of the best described by the produce of the strain of the singer of the sin

SAPETY-LAMP.—In again soliciting the attention of our readers to the improved Miner's Safety-Lamp, invented by Mr. W. P. Struvé, of Swansea, we have the pleasure of submitting an engraved sketch of it, and to

see, we have the pleasure of submitting an engraved sketch of it, and to add some important information as to the successful and very antisfactory results which have caused from its use is some of the ingress and five youliered in South Wales. The sketch of it, and to it is a substantial to the successful and very attisfactory results which have caused from its use is some of the ingress and five youliered in South Wales. The sketch of it witten description, and it is only needful to said the sketch of it witten description, and it is only needful to said the sketch of it witten description, and it is only needful to said the sketch of it witten description, and it is only needful to said the sketch of the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the coll-look being placed within tage gause cylinder, not the cylinder does not exceed that of an ordinary bay. The great families of the colling surface near the flame, and the less obstructed admission of air thus obtained, readers it proportions of the tatritate, one part affects and the smoke very considerably diminished. The light emitted from this lamp has been carefully ascertained to be equal to that from three Davys, and only it is colling the colling of the more prefet combustion, the consumption of oil with the colling of the c

WEEKLY LIST OF NEW PATENTS.

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—M. J. and M. TCERRE, Woodcote, Survey: Conduit pipes and tubes for sewers, drains, conduits, gas, and other purposes,—E. Huotrox, Regent's-park: Electric telegraphs.—J. B. Howell, J. Shoutander, Sheffield: Rolling steel for springs.—T. Newey, J. Corrett the oxidation of same, which method of treating or coating may also be applied to other articles of iron and steel.—B. Musurer, Coletord: Manufacture of iron.—W. J. Kendald, Norwich: Safety signals for railways.—A. C. Kennadh, Falkirk Ironworks, Stirling, N.B.: Tru-sed iron brigges.—J. Moss. T. and J. Garrey, Sheffield: Manufacture of cast-steel hoops and cylinders.—A. Charlin, Glasgow: Steamengines, and in the combustion of fuel.—J. Boyders, Canden-town; Carriages propelled by steam or other power.—J. Wadsworth, Haselgrove, Chester: A tificial light, and in apparatus applicable thereto.—A. Parkes, Birmingham: Joining or uniting metals.—F. O. Ward, Cork-street, Burlington-gardene: Liberating or producing potash or code, or both (as the case may be from natural slealiferous silectes, the residuals of the process being available as a material for manure, puzzolano, or hydranile cement.—W. H. Toorn, Summer-street, Southwark: Purnaces.—P. W. Barlow, Great George-street, Westminster: Permanent way of railways.—G. Witson, Sheffield: Furnaces or fire-places of stoem-boliers.—A. and H. Parkes, Birmingham: Manufacture of rods, wire, nails, and tubes.—J. W. Clark, Surrey—G. Bugines boliers, and furnaces.—R. Harvey, Clasgow: Steam hammers.—A. Slate, Adelaido-road, Haverstock-hill: Supplying fuel to blast furnaces.—J. and J. H. Ellis, Liecoster: Reducing into small particles masses of rock and minerals.—G. E. Dering, Lockleys: Electric telegraphs, and in the manufacture of insulated wire and cables.

Practical Engineers.—We understand that measures are being adopted to organise an engineering club in London. A preliminary meeting will shortly be held, at which, among other matters, it will be proposed to include every branch of engineering science, whether in Mining, Railways, or Canals. Amongst the objects in contemplation is an extensive library and lecture theatre, for the convenience of the members, and it is hoped the numerous and intelligent body connected with engineering will at once see the importance of such an institution.

PUDDLING MACHINE.—Mr. A. Newton, has patented an invention, for a foreigner, which consists in agitating and working the fluid or semi-fluid iron with an instrument which passes through the roof of the furnace. A stone block is inserted into the top of the furnace, and in this the instrument works; to the lower end a crosspice is satisfied, which robbles the iron, and at the upper call is a too thed wheel, which works into a too thed sectant. The robble is kept cool by a current of cold air or water passing through it. When air is used the outlet pipe may be connected with the blowing cylinder or otherwise.

works into a toolhed sectant. The robble is kept cool by a current of coid air or water passing through it. When air is used the outlet ippe may be connected with the blowing cylinder or otherwise.

PUNCHING MERLAS.—Mr. Hiram Powers, of Florence, has patented a machine in which a simple lever is applied by its shoulder and cog, or tooth, to propel and withdraw the notched shaft of a punching stamp, moving in a closely fitting tube, and thence upon the plate to be operated on. The plate is inserted in a chasm, and is thrown off from the retiring tool by coming in contact with an abutment at the end of the tube occupied by the tool shaft, or by some other device. He also proposes to introduce a double or compound leverage to increase the power of the machine. In this case the shoulder or cog of the single lever is made to cause an intermediate lever, similarly constructed, to act on the shaft in a similar manner. The shaft is constructed to receive tools of various sizes.

RAILWAY BREAKS.—Mr. Therrin, Dieppe, provisionally specified an improvement which consists in providing all or only part of the wheels of the railway arriages with breaks. These breaks work directly behind each wheel of the carriages by means of two horizontal and longitudinal iron bars, supported by two lever branches pinned to a transversal spindle, reating upon bearers strongly fixed up to the bottom floor of the carriages. The bars continue all the length, being joined at each end of every carriage by a joined band, disposed in such a way as to make the spindle turn. It is under the locomotive tender the different pieces which move the breaks are arranged either to pull close or to loosen. There, and even with the bottom of the tender, are fixed two cast-iron supports, in which two right angles are faxed two catenoed with pegs at the extremities of two of the arms of the right angles are faxed two upright pieces, attached to two lovers bearing othalism at their extremities, which, by the means of an iron windless carrying spokes and ratchet

LUBRICATING BOXES FOR AXLES, &c .- Mr. Cresswell, Conduit-street,

though it might be put anywhere; but there it would prevent accidents, and not inconvenience the fireman in any way.

LUBRICATING BOXES FOR AXLES, &c. —Mr. Cresswell, Conduit-street, provisionally specified an invention for rendering the lubrication of axies of machinery, of earriage wheels, and other axies and rotating parts which require it, constant, uniform, and as far as possible self-acting. The part to be lubricated is enciosed within a box, having an intervening flange or washer, with a reservoir such in taupper part for the reception of the lubricating fluid, and a suitable groove commanicating above with the reservoir and below with the part to be lubricated for the passage of the unctious material. Around these is placed a hollow revolving cylinder, which receives the lubricating material after it has done its work, and by its motion conveys it to the upper part, where meeting with a conductor it is directed into a reservoir, from whence it started to be re-employed as before. By this arrangement the flow of the lubricating fluid is constant, and the supply is regulated as required.

LIGHTING RAILWAY TRAINS WITH GAS.—Mr. Charles Hadley, of Birmingham, is, it appears, entitled to the benour of being the first to propose lighting railway carriages with gas. Alluding to the reference made, at a recent meeting of the Institution of Mechanical Engineers, to the proposition as having emanated from Mr. Thompson, Mr. Hadley says.—Such pretented invention is a direct abstract, word for word, of a prospectus for accomplishing that object, issued by me in 1853, and of which upwards of 1600 copies were then, and up to March in the following year, distributed by me to the directors of every railway then in existence, or for which an Act was obtained, in England, Ireland, Sociand, and Wales. In addition to which, a copy was posted to the engineers, secretaries, managers, and the other officials, of each line throughout the United Kingdom, and to the editors of several newspapers. A snort description appeared in th

substances of the coal into innoxious siags previous to their coming in contact with the ores or the metal.

Propelling of a ship out of the water, or on the surface of the water, by means of air-tight drums, and propelling the ship by fixing floats upon one pair (or more) of the drums. The ship is made of the usual form, or of any other form, as may be deemed advisable. Through the ship is rigidly attached one of the shafts which carry one pair of the drums, these drums are loose on this shaft, so as to allow them to turn when the ship or other vessel is moving, thereby offering but little resistance to its progress. The other shaft, which carries another pair of drums rigidly attached to it, is cranked and supported by suitable bearings in the vessel. Floats are fixed on these drums for the purpose of propelling the ship, motion being given to them by steam or other motive power. The ship may be propelled by a screw propeller, or it may have all the drums loose on the shafts, and the shafts attached to the ship, and be propelled by paddle-wheels fixed at the sides, how, stern, or under the said ressel, or it may be propelled by any other means used to propel vessels. As many drums as may be deemed necessary can be used, this, however, will be regulated according to the dimensions of the ship or other vessel.

New Electro-Metallurance Process.—In the electric deposition of

structed sq that they may be securely fastened down and packed so as to be perfectly water-tight, and the pumps, masts, and so forth, are to be so cased that water cannot enter the spariement of the wested through which they pass. When this invariation is applied to small vessels not requiring between decks, it is proposed to make safety sparied to small vessels not requiring between decks, it is proposed to make safety forming the forecastal and casin into assign to purpartmental by judg incre water-tight decks joined to the water-tight builknesds, and securing it to the water-tight inner six not the west and forming the sounded of all real body and the safety of the cabin, forceastle, and ganwaie.

SLIDE VALVEM.—Mr. W. R. Newton, for a foreigner, has patented an improved mode of relieving the bills valves of steam-engines from unnecessary presents of the safety of the safety of the safety of the valves and partly in the seat, which chumber is to be filled constantly with live steam from the siesam cheest. The steam in this chamber sets in opposition to that in the open part of the steam cheest at the back of the valves, on as to balance the valves to seed an extent as is desirable, leaving only such an excess and the safety of the safety of the safety of partly in the safety of p

PREVENTION OF STEAM BOILER EXPLOSIONS,-To prevent explosions in FREEDITION OF STEAM BOILER EXPLOSIONS.—TO prevent explosions in steam bolizers Mr. George Deeley, of West Bronwich, proposes the adaptation to the safety-valve of a float and lever which, when the water sinks below a certain level, will act upon the safety-valve and lift it from its seat, thereby allowing the steam to escape from the boiler. In combination with this contrivance he employs a steam-whistle, which is fixed on the end of a pipe which communicates with the inside of the boiler. A cock is placed inside the boiler and is worked by the float or the lever connected therewith, so that when the level of the water sinks, and the float descends with it, the cock on the whistle-pipe will be opened and the steam allowed to escape. The whistle cannot be stopped until the water is supplied. If the water be allowed to sink further the safety-valve will be opened and the steam allowed to escape.

GUIDE TO THE IRON TRADE. - A most elaborate set of tables, for show-Guide to the Iron Trade.—A most elaborate set of tables, for showing the weight of iron required to produce boiler-plates, sheet iron, flat, square, and roop or stip-iron of any dimensions, has been compiled by Mr. Jas. Rose, of Batman's Hill Iron-works, Staffordshire. The work is of a thoroughly practical character, and nothing of the kind has hitherto been published. The tables are plainly laid down, and the information desired can be instantaneously obtained. They show the weight of good iron required to produce the various descriptions of manufactured iron, allowance being made for heating, rolling, and eropping; and, as they are the result of many years' experience, their value cannot be doubted. As the want of such a set of tables has long been greatly felt, the present work is a desideratum; and, as it is not too bulky for the pocket, it will, no doubt, specifly become well done, and the tables so arranged that each page is complete in itself. The work is published at the Mining Journal office, price 8s. 6d.

PATENTER'S MANUAL.—Messrs. Johnson, the patent agents, of London and Glas ow, have just issued a second edition of their very useful treatise on the Law and Practice of Letters Patent. In referring to the first edition, we gave it as our opinion that the work would prove a valuable guide to all inventors, or other persons having business in connection with patents; and we cannot further express our approval than by stating that, in the present issue, the information given has been rendered much more complete, and brought down to the present time. The nature of a patented invention is fully explained, and we think no one could require more ample details upon any point they may be at a loss upon than can be gathered from the Patentee's Manual.

The EAST GLAMOROANSHIRE PRIZE ASSOCIATION have just issued their report for the past year, from which it uppears that at the recent examination at Cardiff 130 children were examined, and that 31 prizes were awarded, their value being upwards of 504. The parents of the majority of the children who appear in the prize lists are connected with mining and ironworking, the Downiss school sending a larger number than any other. The examination papers contained questions of a practical and useful character, and the Rev. H. W. Belhists and Mr. Bowstead, the examiners' expressed themselves satisfied with the answers given.

GOLD IN NEW ZEALAND,—A letter from Nolson (Oct. 23), referring to the gold discoveries, says, "The gold fields, beyond a doubt, are very extensive and very rich, and so soon as the rains are over, and the rivers less flooded, the harvest will commence. Great numbers are flocking from all parts of New Zealand, and also from Australia. During the last ten days gold has been found about three miles from Nelson, but I have not heard if productive enough to pay for working. Our spring in now closing, and everything looks beautiful."

MADAME TUSSAUD'S EXHBITTION.—Another highly interesting portrait

is now closing, and everytimic goods becauted."

MADAME TUSSAUD'S EXHIBITION.—Another highly interesting portrait model has been added to the collection of heroes in this popular establishment; it represents the Commandor-in-Chief in India, the gallant Sir Coliu Campbell, G.G.B., This distinguished officer is dressed in the uniform of a general, decorated with numerous military orders, among which that of the Order of the Bath. The figure is admirably constructed, and the likeness is considered most faithful.

IR SHEETING, or BRATTICE CLOTH, made expressly for COLLIERY PURPOSES, in all widths, from 18 in. to 80 in.—Samples, with e, on application to the manufacturer,

ELLIS LEVEIL, Ellesmere-place, Stockport-road, Manchester.

ICKEL ORES.—THE GAP MINING COMPANY OF LANCASTER, county Pennsylvania, are now ready to CONTRACT for the SALE of from 10,000 to 20,000 tons of NICKEL ORES, in lots to suit purchasers.—Address, F. S. Hokokarx, Secretary Gap Mining Company, 70, South Third-street, Philadelphia, Pennsylvania, U.S.

Philadelphia, Pennsylvania, U.S.

RESSRS, FULLLER AND CO., 51, THREADNEEDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANKING, MINING and RAILWAY SHARES, many of which will pay 20 per cent., with every prospec of increasing considerably in value.

Since calling attention to a few mines, the following rise in value has taken place:

-Craddock Moor, E36 to £40, being £10,550; Calstock Consols, £39, to £56, or £12,838; East Wheal Russell, 10s. to £3, or £10,000; Wheal Edward, £4 to £7, or £12,144; total increase in value, £45,582, and etili rising.

Messrs. Fuller and Co. have FOR SALE Dividend Shares, much below their real value, and must increase in price; also, a few shares conducted on the Limited Liability Act, which in a short time will become a safe dividend property; also, Shares in the leading Banks, and £2000 Railway Bonds.

Every information afforded at the office, between Ten and Five. Communications promptly attended to.

UNITED STATES OF AMERICA.—DUPEE, PERKINS, and SAYLES, BOSTON, MASSACHUSETTS, BROKERS for he PURCHASE and SALE of STATE, CITY, and RALIROAD SECURITIES, MANUFACTURING and BANK SHARES, give particular attention to the MINING COMPANIES OF LAKE SUPERIOR, and farmish reliable information concerning them; [DUPER, PRESENT, and SAYLES refer to the Editor of the Mining Journal.]

d with general stated

g 1857, ne prongton, , 16 =

New-

t balf-

many es are Forge at the stern ac de-

18 OC-

nand r 1856 lay in than raised pera-

h the

nefits l call costal gence these r the anted

mers arin pean etters rrent Port ide.

n the

will Phile-ere dis-ility of ney are THE PATENT LAW, AS RECENTLY AMENDED .- No. VII.

THE PATENT LAW, AS RECENTLY AMENDED.—No. VII.

BY F. W. CAMPIN.

PROLONGATION.—The great difficulty of bringing out and getting into successful operation some inventions obliged many patentees, in former days, to appeal to Parliament for special or private Acts to prolong their patents; thus Watt's patent right was prolonged for thirty years. This appeal to the Legislature being very costly and, perhaps, unsatisfactory, led to the passing of a law whereby it should in future be rendered generally unnecessary. Thus the Act of 1835 allows any patentee to petition Her Majesty in Council for an extension of his patent right for not more than seven years further, though the Council may, and often does, grant less time. The Act 2 and 3 Viet., cap. 67, repeals a clause in the above Act which prescribed that application for prolongation "should be prosecuted with effect" before the expiration of the term of the original patent; and this Act requires that the petition for prolongation be presented six months at the least before the expiration of the first patent. By the Privy Council Act, 7 and 3 Viet., cap. 62, the term of prolongation may be 14 years or less. To obtain the prolongation, whether for 7 or 14 years, or for a less term, it is necessary to present a proper petition to Her Majesty in Council, which petition should state that the patent about to expire is a good and valid patent, that the invention is new and useful, and that the patent has hitherto suffered loss by his efforts to bring the invention into remunerative use. All this the patentee may be called upon to prove as far as may be in the Court of the Judicial Committee of the Privy Council, and the patentee will have to answer any opponents that may claim to be heard against the prolongation of the original patent. In almost all cases the Attorney-General, or some other counsel for the Crown, watches the proceedings on behalf of the Crown, and perhaps opposes the prolongation—that the original patentee shall receive further benefit from the invention

Notes on Extraction of Silver.—The method proposed by Professor Marian, in 1854, for working the rich ores of the Joachimsthal has recently been tried by Mr. Patera, in the hope that by this means Ziervogel's method of extraction might be adopted for the majority of ores. The powdered ores were mixed with an equal weight of sulphate of iron (green copperas), and exposed to a gradually increased heat, until the mass no longer contained protoxide of iron. The roasting was stopped at this point, because it was found that when the heat was continued, and the persulphate of iron decomposed, the yield of silver was reduced. The amount of copper in these ores is too small to be of consequence. The roasted charge, when treated with water, gave a liquid containing much persulphate of iron; this was mixed with sulphuric acid, for the purpose of dissolving the compound of basic persulphate of iron and sulphate of silver, which is but sparingly soluble in water. With ores containing metallic silver and sulphured of silver, 80 per cent. of the silver they contained was obtained by treating them with sulphuric acid in one operation. When operating upon ores containing sulphuret and arseniuret of silver with sulphuric acid, no silver was extracted on treating the reasted ore with water. This was found to be owing to the production of insoluble arsenate of silver, from the exidation of the arseniuret by sulphuric acid and atmospheric oxygen. But when sulphate of iron is used in the roasting the result is different; much sulphures acid in the production of insoluble arseniure sold, the arsenic being chiefly converted into arsenic acid, which combines with the peroxide of iron, while sulphate of silver is dissolved on treating the roasted ore with water. In this way 87 per cent, of the silver was obtained from arsenical ores. It appears, therefore, that the oxide of iron plays an important part in this operation, and in roasting argentiferous ores containing arsenic or antimony, for the purpose of extracting the silver by Ziervo

THE NEW MIDLAND MINING COMPANY (LIMITED)

In 2000 shares of £1 each.

A deposit of 2s. 6d, per share must accompany each application.

above company have purchased the mine and valuable plant at Ashover, late operty of the Old Midland Mining Company, on very favourable terms, and propose to raise the necessary capital for working the same by the issue of

The above company have purchased the mine and valuable plant at Ashover, late the property of the Old Midland Mining Company, on very favourable terms, and they propose to raise the necessary capital for working the same by the issue of shares, as above.

The company's prospects are exceedingly favourable and encouraging, and they have little doubt of utilimate success. They point with confidence to the annexed report of Mr. Boden, the late manager of the mine, who has taken a large interest in the new un'dertaking. It is as foliows:—
OENTLENEN, — In my last report to the late company of the Midland Mine, Ashover, I stated what had been done, and what ought to be done, which I now repeat. The abrupt manner in which that company terminated (which was in consequence of the capital being expended) left the mine in a very unsatisfactory state, and quite unproved. The shatt is 35 mm². The last 12 of which were sunk without driving to the vein, except at the toadstone. In the majority of instances, the vein is worthless down at the toadstone, although it is a good vein a few fathoms above. The vein ought to be found at the Little clay, at the top of the white stone, for I am confident the best carriage in the white stone will be found at that place. This is about 9 fms. from the toadstone, and would not cost more than £10 in driving; at the same time, the east end should be cut forward, to interact the veins that are known to be crossing on the south side. The junction of these veins with the Midland has never been proved in any age, being too low for the old man to reach with his means of lifting water, the measures having over-dipped him before reaching that point; consequently, there is a two-fold advantage in driving the east end, for you will meet the measures in which the old man's best works have been, or the measures next the shale, and cross the veins from the south side at the same time. This being done, it is a moral certainty that the vein will be immensely rich; the last price for driving the east end, f

erty to be valuable.

polication for shares and other information to be made to Mr. James Buntino, etary pro tem., Bectwell-street, Chesterfield; or to Mr. E. B. Palmes, Mineral and Office, Chesterfield,—Chesterfield, Jan. 7, 1858.

Mecord Omes, Chesterneid.—Chesterneid, Jan. 7, 1858.

[INVESTMENTS IN BRITISH MINES.]

Pull particulars of the most important Dividend and Progressive Mines will be found in the Fourth Edition of the MINES CONSIDERED AS AN INVESTMENT.

Recently published, by J. H. Muzchison, Esq., P.G.S., P.S.S.

Mr. Murchison also publishes a QUARTERLY REVIEW OF BRITISH MINING, giving, at the same time, the Position and Prospects of the Mines at the end of each Quarter, the Dividends Paid, &c. The Review for the Quarter ending the 30th of June, contains a Map of the Great Wheal Vor and Lelant Mining Districts, price is. Beliable information and advice will at any time be given by Mr. Muzchisons, either personally or by letter, at his offices, 117, Bishopsgate-street Within, London, where espies of the above publications can be obtained.

OPINIONS OF THE PRESS.

Mr. Murchison's new work on British Mines is attracting a great deal of attention, and is considered a very useful publication, and calculated to considerably improve the position of home mine investments.—Mining Journal.
The book will be found extremely valuable.—Observer.
A valuable little book.—Globe.
A valuable guide to investors.—Herapath
Mr. Murchison takes sound views upon the important subject of his book, and has plate of, for a small sum, within the reach of all persons contemplating making investments in mining shares that information which should prevent rash speculation and unproductive outlay of capital in mines.—Morning Herald.
Of special interest to persons having capital employed, or who may be desirous of investing in mines.—Morning Chronicle.
Partie requiring information on mining investments will find no better and safer astructor than Mr. Murchison.—Leeds Times.
As a guide for the investment of capital in mining operations is inestimable. One of the most val vable mining publications which have constructed that the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated in the contemplation of the most val vable mining publications which have contemplated to the contemplation of the most val vable mining publications which have contemplated to the contemplation of the most val values and contemplated to the contemplation of the most values and contemplated to the contemplation of the contemplation of the contemplation of the contem

natractor than Mr. Murchison.—Leeds Times.

As a guide for the investment of capital in mining operations is inestimable. One of the most val. Table mining publications which has come under our notice, and contains more information than any other on the subject of which ittreats.—Derby Telegraph. To those who with to invest capital in British mines, this work is of the first importance.—Welshim, 10.

Bore information than any other on the subject of which it freats.—Derby Telegraph. To those who with to invest capital in British mines, this work is of the first importance.—Welshmith.

This work enables the capitalist to invest on sound principles; it is, in truth, an excellent guide.—Plymouth Journal.

All who have invested, or intend to invest, in mines, will do well to consult this very useful guide.—Plymouth Express.

This is really a practical work for the capitalist.—Stockport Advertiser.

Persons desirous to invest their capital in mining speculations, will find this work a very useful guide.—Warwick Advertiser.

It is full of carefully compiled and reliable information relative to all the known mines in the United Kingdom.—Sheffleld Free Press.

Those interested in mining affairs, or who are desirous of becoming speculators, thould obtain and carefully perses the work.—Monmouth Beacon.

Every person connected, or who thinks of connecting himself with mining speculations, should possess himself of this book.—North Wales Chronicle.

A very valuable book.—Cornwall Gazette.

All who have invested, or intend to invest, in mines, should peruse this able work. We believe a more useful publication, or one more to be depended on, cannot be found.—Plymouth Heraid.

With seeb a work in print, it would be gross neglect in an invostor not to consult it before laying out his capital.—Poole Heraid.

Mr. Murchison will be a safe and trustworthy guide, so far as British mines are secured.—Bath Express.

MINING TIMBER.—DRAM NORWAY TIMBER, 9d. per foot; Su the Saurt of Vice-Worden of the Standaries.—Standaries of Sarawall.

Bones Cellars, Trues, Jan. 12, 1838.

JOHN GATLEY.

In the Cause of PIKE v. MICHELL AND OTHERS.

TEAM-ENGINES of EVERY DESCRIPTION, including BEAM, CONDENSING, or HIGH-PRESSURE, HORIZONTAL or VERTICAL; also, LOCOMOTIVES, BOILERS, ENGINEERS' TOOLS, RAILWAY, COLLIERY, or OTHER PLANT and MACHINEERY, may be had on the shortest notice, on application to Wiskatley Kirk, increhant engineer, auctioneer, and valuer, Cross-street Dambiers, Manchoster.

his Weekly Circular (established 1850), which may be had by post free.

AS MANUFACTURING WORKS.—Municipal corporations public companies, and private firms, who wish to MANUFACTURE their N GAS, can be SUPPLIED on the shortest notice with COMPLETE MACHI-ty, &c., for the purpose, from 100 lights and upwards.—For prices, specificate, drawings, &c., apply to Wheatersek Kinx, engineering auctioneer, and agent to makers, Cross-street Chambers, Manchester.

CAPITAL NEW HIGH-PRESSURE VERTICAL STEAM
ENGINE, bore of cylinder 12 in., stroke 2 ft.; will be sold a bargain.—
WHEATLEY KIRK, engineer and valuer, Cross-street Chambers, Manchester.

RELAND.—Mr. WHEATLEY KIRK is instructed to PREPARE FOR SALE, BY AUCTION, the WHOLE of that exceedingly valuable FOUNDRY and ENGINEERING ESTABLISHMENT, LAND, BUILDINGS, TOOLS, PLANT, and MACHIKERY, known as the SHANNON FOUNDRY, Limerick, Ireand.—Further particulars in future papers, or of the auctioneer.

TO IRONMASTERS, ENGINEERS, AND FOUNDERS.—
The HARRINGTON IRON COMPANY are now PREPARED to SUPPLY
MELTING and FORGE PIG-IRON, made from the rich HEMATITE IRON ORES
of CUMBERLAND.—Address, HARRINGTON IRON COMPANY, Cumberland.

TEAM BOILERS.—COAL PROPRIETORS and others requiring BOILERS, for home use or export, of first-rate make, cheap, and proved to a high pressure, apply to ELLIS LEVER, Eliesmere-place, Stockport-road, Manchester.

CONTRACTORS' AND COLLIERY RAILS, SINGLE HEADED (with chairs), TEE, BRIDGE, and TRAM RAILS, specially adapted for colliery and temporary lines.—For sections and prices, apply to Mr. F. Tyndall, Koutton, near Newcastle, Staffordshire.

ENERAL MINING COMPANY FOR IRELAND (LIMITED).

NOTICE OF CALL.—The shareholders of the General Mining Company for Ireland (Limited) are hereby required to take notice, that the Directors have, at their meeting, held this day at their offices, 32, Westmoreland-street, resolved that a CALL of TEN SHILLINGS be made upon each and every share held in said company; and that such call shall be paid into the National Bank, College-green, Dubin, to the credit of the trustees of said company, on or before Saturday, the 30th of February next; and also that interest, at the rate of 5 per cent., shall be charged upon any part of said call as shall remain unpaid after that day.

By order of the Board,

Westmoreland-street, Dubin, Jan. 11, 1858.

REAT WHEAL VOR UNITED MINES.—Notice is hereby given, that a SPECIAL GENERAL MEETING of adventurers in the above mines will be HELD at their office, Gresham House, Old Broad-street, on Wednesday, the 20th January, at Twelve o'clock precisely, to receive the Report of the Committee of Investigation, and transact the general business of the mine.

Gresham House, Old Broad-street, London, E.C., Jan. 11, 1858.

USTON IRON ORE COMPANY (LIMITED).—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of the Duston Iron Ore Company (Limited) will be HELD at the company's offices, Wellington Chambers, Cannon-street, London, E.C., on Wednesday next, the 20th day of January, at One o'clock r.m. precisely, to receive the directors' report, and to take into consideration the affairs of the company, with a view of winding-up the same.

By order of the Board,
Wellington Chambers, Cannon-street, London, E.C., Jan. 13, 1858.

CONSOLIDATED COPPER MINES OF COBRE.—Notice is hereby given, that a HALP-YEARLY GENERAL MEETING of the proprietors of this association will be HELD, in conformity with the Deed of Settlement, at the offices of the company, Gresham House, Old Broad-street, on Tuesday, the 26th day of January inst., at One o'clock precisely.

On that day two directors (Charles William Grenfell, Eq., M.P., and Robert Passenger, Eq.) and one auditor (Alexander Druce, Eq.) will go out of office by rotation, agreeably to the Deed of Settlement, but are immediately cligible, and are candidates for re-election.

lidates for re-election.

It is necessary that persons intending to offer themselves as candidates for the dicection or auditorship should leave notice of such their intention, at the offices of the
company, at least 14 days before the day of election, and exclusive thereof.

WALTER SHAIRP,

GEO. WHITMOEE,

GEO. WHITMOEE,

Gresham House, Old Broad-street, Jan. 5, 1868.

Gresham House, Old Broad-street, Jan. 5, 1858.

THE COMPANY OF THE PROPRIETORS OF THE ROYAL CONSOLIDATED COPPER MINES OF SAN FERNANDO, CUBA (LIMITED).—Notice is hereby given, that the SECOND ORDINARY GENERAL MEETING of this company will be HELD at the company's offices, No. 82, Gresham House, Old Broad-street, London, on Monday, the 1st day of February next, at One o'clock precisely, for the purpose of transacting the usual business of an ordinary general meeting, of receiving and considering a report from the directors on the present position of the company, and of adopting such resolutions in reference thereto as the meeting may deem expedient.

At this meeting two directors are to be elected in the room of two directors who retire, in conformity with the provisions of the Joint-Stock Companies Acts, 1856.

The Transfer-books of the company will be closed on Monday, the 18th of January, and will remain closed until after the meeting.

By order of the Board of Directors,

Dated Jan. 12, 1858.

ST. J. H. YOUNG, Secretary of the Company.

OYAL SANTIAGO MINING COMPANY.—The Directors hereby give notice, that they expect to receive from the managers at the mines about the middle of next month information which may be of importance to the shareholders, and, sonsequently, they have POSTFONED the usual HALP-YEARLY MEET. ING until WEDNESDAY, the 3d day of March next, to be then HELD at the office of the company, at Two o'clock precisely, when the directors will make their report. The Directors also hereby give notice, that the half-yearly accounts and flasness statement will be delivered to the shareholders upon applications at the office on and after Friday next, the 15th inst.—38, Broad-street-buildings, Jan. 12, 1858.

THE SCOTTISH AUSTRALIAN INVESTMENT (LIMITED).—Notice is hereby given, that the HALF-YEARLY GENERAL MEETING of the shareholders of the Scottish Australian Investment Company (Limited) will be HELD at the London Tavern, Bishopsgate-street, London, on Friday, the 29th day of January inst., at One o'clock precisely.

The Transfer-books of the company will be closed on Tuesday, the 19th inst., preparatory to the meeting and payment of the dividend, and will remain so closed until after the 29th inst.

By order of the Directors, 24, Gresham-street, London, Jan. 9, 1858.

C. GRAINGER, Sec.

THE LONDON AND VIRGINIA GOLD AND COPPER MINING COMPANY.—Notice is hereby given, that the undermentioned SHARES in this company, which have been forfeited under the provisions of the bye-laws, WILL BE SOLD, BY AUCTION, by Mr. THOMAS JOHNSON, at the City Auction Rooms, 39, Gracechurch-street, London, on Monday, the 18th day of January next, at Two e'clock in the afternoon,

By order of the Board of Directors,

JOHN ANDERSON, Sec. and Cashier.

Numbers of the shares above referred to:—
20,751 to 20,508, 7,341 to 7,915, 11,031 to 11,130, 19,161 to 19,260, 35,971 to 36,000, 38,251 to 33,370, 22,961 to 23,050, 851 to 990, 9,741 to 9,940, 35,561 to 35,000, 6,241 to 6,280, 10,381 to 10,390, 19,061 to 19,085, 32,386 to 32,390, 28,671 to 28,720, 35,981 to 39,202, 32,731 to 32,830, 501 to 500, 8,066 to 8,115,19,981 to 20,320,

COPIAPO AND CALDERA RAILWAY.—Notice is hereby given OF LATU AND UALDERA RAILWAY.—Notice is hereby giver / that the QUARTERLY DIVIDEND of FOUR PER CENT. (declared in Co po on the 3d of October last) will be PAID to the holders of shares registered i gland, at the Banking-house of Mesers. Williams, Descon, and Co., on and after 18th January Inst. By order, EDWARD J. COLE. flee of Registry and Transfer, 2, New Broad-street, Jan. 1, 1858.

(10PIAPO EXTENSION RAILWAY COMPANY.—
Notice is hereby given, that SIX MONTHS' INTEREST, at the rate of SIZ
PER CENT, per annum, will be PAYABLE on the deposit of £2 per share, on an
after the lat February next, at the office of the company, 2, New Broad-atreet.
The scrip must be left at the office, and the necessary form of application for the
interest filled up three clear days before the same can be paid.
London, Jan. 1, 1858. By order of the Directors, EDWD. J. COLE, Sec.

COPIAPO COPIAPO EXTENSION RAILWAY COMPANY.—
Notice is hereby given, that the directors have made a CALL of ONE POUND per share, payable at the Banking-house of Mesars. Williams, Descon, and Co., on or before the 25th day of January inst.

The scrip certificates, together with the bankers' receipt, must be left at the office of the company, 2, New Broad-street, to have the call inscribed thereon.
London, Jan. 1, 1858. By order of the Directors, EDWD. J. COLE, Sec.

In the Cause of PIKE v. MICHELL AND OTHERS.

IN RE BELL AND LANARTH UNITED MINES,
IN RE BELL AND LANARTH UNITED MINES,
IN RE BELL AND LANARTH UNITED MINES,
OTICE IS HEREBY GIVEN, that, pursuant to an ORDER, or
DECREE, made is the above Cause, and bearing date the 18th day of December last, a PUBLIC AUCTION will be HOLDEN at the Registrar's Office, Truro, on
Wednesday, the 27th day of January inst, at Twelve o'clock at noon, for SELLING—
1 (509ths) PART, or SHARES, of the Defendant Biohard Michell, of Australia.
5 (509ths) PART8, or SHARES, of the Defendant Matthew Butt; and
2 (509ths) PART8, or SHARES, of the Defendant Matthew Butt; and
2 (509ths) PART8, or SHARES, of the Defendant Matthew Butt; and
2 (509ths) PART8, or SHARES, of the Defendant Davies Treblicock.
Respectively of and in the said mines, or as many of the said several shares of the said
several defendants as may be necessary to satisfy the said order, or Decree, and of
and in the ORES, HALVANS, RNGINES, MACHINERY, MATERIALS, and
OTHER EPPECTS upon and belonging to the said MINES.—For further information, application may be made to Mr. Strongs, building so chictor, Truro.
Dated Registrar's Office, Truro, Jan. 18, 1858.

Sa the Court of Vice-Warden of the Stannaries, - Stannaries of Corumall.

In the Cause of TODD v. DOWNING AND OTHERS.
IN RE SWANPOOL MINE

OTICE IS HEREBY GIVEN, that, pursuant to an ORDER, or DECREE, made in the above-mentioned Cause, and bearing date the 21st day of September last, a PUBLIC AUCTION will be HOLDEN at the Registrar's Office, Turo, on Wednesday, the 27th day of January inst., at Twelve o'clock at noon, for SELLING 166 (1800ths) PARTS, or SHARES, of the Defendant John Robert Chidley, of and in the said mine, or as many of the said several shares of the said defendant, John Robert Chidley, so may be necessary to satisfy the said Order, or Decree, and of and in the ORES, HALVANS, ENGINES, MACHINERY, and MATERIALS, and OTHER EFFECTS upon and belonging to the said MINE.

For further information, application may be made to Mesers. Honor and Hockin, plaintiff's solicitors, Truro,—Dated Registrar's Office, Truro, Jan. 18, 1858.

IMPORTANT TIN MINE IN ST. JUST, PENWITH, CORNWALL, POR SALE.

M. R. BELLRINGER WILL SELL, BY AUCTION, on Monday,
the 18th day of January next, at Three o'clock in the afternoon, at the Turse
Tuns Hotel, Penzance, in One Lot, on such conditions as shall be then produced, the
SETTS of BALLESWIDDEN MINE, in St. Just, with the DRAFT ENGINE, 49 in.
oylinder, with two boilers; STEAM STAMPS, of 38 in. ctlinder, with two boilers; STEAM STAMPS, of 38 in. ctlinder, with two boilers; THREE STEAM WHIMS, with four boilers; and OTHER MACHINERY, ERECTIONS, and PLANT, of overy description, as the mine stands, in full operation and
working order.

Leave to view the mine, and inspect the setts, may be obtained at the offices of Mr.
R. V. DAVY, the purser, East-street, Penzance; and all other particulars of the auctioneer, and Messra, MILLETT and BORLASE, solicitors, Penzance.

Dated Dec. 28, 1857.

PRELIMINARY NOTICE.
TECHON COLLIERY, NEAR BYNEA AND LOUGHER,
IMPORTANT TO COLLIERY PROPRIETORS, IRONFOUNDERS,
CONTRACTORS, AND OTHERS.

R. E. MORGAN DOUGLAS has received instructions to SELL, BY AUCTION, on Wednesday, the 2rth January, 1858, at TECHON COLLIERY, ALL the valuable and extensive PLANT, ENGINES, BOILERS, RAILS, PUMP'S, WAGONS, &c. Full particulars in next week's *Bining Journal.*

The colliery is very conveniently situated for the removal of the plant, as it is close to the Bynes Station on the Lianelly and Llandilo Railway, the rails leading from the colliery to the railway.—Market-street, Lianelly, Jan. 11, 1858.

OUTH WALES.—Mr. ARTHUR O. DAVIES, of Dowlais, is authorised to TREAT for the SALE of TWO VERY VALUABLE GOING COLLIERIES in South Wales.

Also, TO LET, an EXTENSIVE TRACT of STEAM COAL, on a long lease, at a moderate royalty, with a railway running through the property.

For terms, apply as above.

IMPORTANT TO CAPITALISTS.—IRELAND.

TO BE SOLD, BY PRIVATE CONTRACT, A VERY VALUABLE MINERAL PROPERTY ON CORK HARBOUR.—This comprises an all but inexhaustible supply of the PUREST WHITE SILEX now known in Great Britain or Ireland, and proved to be peculiarly adapted for the finest porcelain and finit glass; CLAYS in great abundance, for coarse eartherware, bricks, tiles, &c.; also, about 20 acress of RICH BROWN HEMATITE IRON ORE, thickness of bed 6ft. to 8 ft.; with some MANGANESE.

The situation, as regards the exportation of the produce and facilities of working, is, perhaps, unrivalled, and the concern is in good working order. No other part of Ireland can compete with this as a site for an extensive and varied manufacture of earthenware, flint, and even crown glass articles, which, though of vast consumption, are yet still imported.

The brick and tile yard, already established, and capable of great expansion, will yield a large and steady profit. The owner will either enter into partnership, or reinvest a considerable sum in a company (limited), with sufficient capital to develope the great capabilities of those mines.

Mr. Jas, Derrano, C.E., Rostellan, near Cork; or Mesers, Tuckey and Dunscombes, solicitors, 54, Grand Parade, Cork; may be applied to for further information.

[NOR SALE, at the WATER-WORKS, Lewes-road, BRIGHTON:

OR SALE, at the WATER-WORKS, Lewes-road, BRIGHTON: A 20-barse power HIGH-PRESSURE TABLE ENGINE, with Cornish boiler, 17f, long, 4 ft. 6 in, diameter, and fittings, complete.

A 40-borse CORNISH DIRECT ACTING HIGH-PRESSURE ENGINE, working

A 40-horse CORNISH DIRECT ACTING HIGH-PRESSURE ENGINE, working a plunger pump at the bottom of a well 70 ft. deep.

A 98-horse DIRECT ACTING HIGH-PRESSURE PUMPING ENGINE, erected in 1852 by the celebrated firm of Hawthorn and Co., Newcastle, complete, with pumps, capable of raising 1200 gallons per minute to the height of 250 ft. Also, a sapital STAND PIPE, 50 ft. high, complete, with all connections. The above are all in good working order, and are to be disposed of in consequence of an entire alteration in the system of water supply. They can be seen on application at the Water Company's Office, Pond-street, Brighton; and full particulars can be obtained of Messrs. Easton and Amos, Grove, Southwark, London, S.E.

EW LODGE COLLIERY TO BE LET, situated near Pembrey, Carmarthenshire, consisting of several veins of BITUMINOUS COAL, but lefty of a COLLIERY, opened and at work on a vein of about 3 feet thick. The wtenant would have to take to the plant at a valuation, which, with the colliery, old be delivered up in repair, in accordance with the covenants of the existing see. There is a large copper works and floating harbour connected to the colliery about one mile of tramroad; the South Waies Railway siding being also in contion with the same. The quality of the coal is suttable for smelting, for smiths' dhouse purposes, as well as for steam-engines.

For further particulars, anply to Messre, Wurze, Banggayow, and Wurze schief.

and house purposes, as well as for steam-engines.
For further particulars, apply to Mesers. WHITE, BROUGHTON, and WHITE, solicitors, 12, Great Mariborough-street, W., London; Mr. GEORGE GOODE, Carmarthen; Mr. W. P. STRUVE, C.E., Swansea.

PARISH OF STOKE-UPON-TRENT,-SURVEY AND PARISH OF STOKE-UPON-TRENT.—SURVEY AND VALUATION.—An order having been received from the Poor Law Board for a NEW SURVEY and VALUATION.—An order having been received from the Poor Law Board for a NEW SURVEY and VALUATION of this parish, the Board of Guardians are ready to receive TENDERS from parties desirous of CONTRACTING for the same. The parish is partly mining, canufacturing, and agricultural. It contains about 11,703 a. 2a. 21 v., and, according to the last census, there were about 11,224 houses, besides to the agricultural part, would be required to be altered, so as to show upon the new plans the various alterations which have been made in the various fields, so that the new reference book might agree with the Nos. upon the plans.

The Guardians will receive tenders for the survey and valuation of the land, buildings, and mining property, together, or a separate tender for the land, and also a separate tender for the builings and mining property.

The Guardians do not bind themselves to accept the lowest, or any tender.

The party contracting will be required to enter into a bond with two surseties for the due and faithful performance of the contract. It is, therefore, requisite the party tendering should give the names of two respectable parties as surveites, together with references. Tenders, containing full and explicit terms, to be sent to the Clerk of the Guardians, on or before Ten elsoke in the morning of Wednesday, the 27th inst.

Parish Office, Stoke-upon. Trent, Staffordshire, Jan. 6, 1858.

TNGINEERS' TOOLS TO BE SOLD.—A LARGE STOCK of

NGINEERS' TOOLS TO BE SOLD.—A LARGE STOCK of NEW and SECOND-HAND SLIDE and SCREW-CUTTING LATHES, from 6 to 24 in. centres, and from 4 to 24 ft. long; PLANING MACHINES, self-acting in the vertical, angular, and horisontal cuts, from 4 to 24 ft. long; SINGLE and DOUBLE GEARED DRILLING MACHINES; SHAPING MACHINES of the newest improvements; also, SCREWING, SLOTTING, SHEARING, and FUNCHING MACHINES, and silk kinds of ENGINEERS' TOOLS, either in stock, or made to order.—Tracings of the above will be sent, and the tools may be seen, on application to Mesars. HENRY ASHFORTH and SOMS, Exchange-square, Lincoln-street, Nottingham.

TO PREVENT ACCIDENTS by WINDING OVER the HEAD GEAR, USE the PATENT SELF-ACTING STEAM BREAK, which at every till from the mine shuts off the steam from the winding engine and applies the break, also records the number of lifts made.—For illustrated of cular and price, apply to HETH OODER, engineer, St. Mary's, Manchester.

TO PREVENT RUST IN STEAM BOILERS, USE the VARNISH made for that purpose by JOHN METCALP, Miles Platting Chemical Works, Manchester. Tenpence per gallon, with instructions for use.

BRITISH AND FOREIGN PATENTS.

Now ready, price 7s. 6d.,

Second Edition, grantly Enlarged, and Corrected to the latest period,

THE PATENTE NT EES' MANUAL;

BRITISH AND PARCTICE OF LETTERS PATENT.

Especially intended for the Use of Patentees and Inventors.

By Janes Jourson, Eaq, of the Middle Temple; and Jours HY. Jourson, Solicitor and Patent Agent, 47, Lincoln's inn-fields, and Glasgow.

A short pamphiet, entitled "Hints to Inventors desirous of Obtaining Letters Patent for their Inventions, or of Protecting their Designs by Registration," will be forwarded on application.

tent for their intensions, to consider the property of the PRACTICAL MECHANICS' forwarded on application. Messrs. W. and J. H. Johnson are proprietors of the PRACTICAL MECHANICS' JOURNAL, an illustrated Record of Engineering and Mechanical Inventions, Monthly, is., containing 25 quarto double-columned pages of letter-press, illustrated by Two Plate Engravings, and from 40 to 50 Woodcuts. Edited by W. Johnson, C.E. First Series, with Index, complete, Vols. I. to VIII., and Vol. I., New Series, 14s.

each, bound in cloth.

THE PRACTICAL DRAUGHTSMAN'S BOOK OF INDUSTRIAL DESIGN;
a Complete Course of Mechanical Engineering and Architectural Drawing. This volume contains 105 quarto pages of Plate Engravings, about 60 Woodcuts, and 200
pages of letter-press. Price \$1 84.60.

Longman and Co., Paternoster-row.

ORE STEAM, BETTER FIRES, AND LESS SMOKE.—
For Marine, Stationary, and Locomotive Boilers, Mr. LEE STEVENS'S
PATENT REGULATING AIR-DOURS are found to be the most effective inventor,
and, with his other appliances for Reverber story, Pottery Kills, and Furances of Description, constitute a series of improvements for generating heat,
see-asomising fuel and preventing smoke, which accomplish all practical requirements.
Testimonials, terms, &c., obtained at 1, FISH STREEF HILL, CITY, LONDON,
E.C.; where information is also given of his improved PATENT GRATES, in which
the fires can be kindled at the top or the bottom, so as to produce either show or
names combustion, with less smoke than in any other open fire-places.

OVERLAND ROUTE.—STEAM TO INDIA AND CHINA, &c.,
via EGYPT.—The PENINSULAR AND ORIENTAL STEAM NAVIGATION
COMPANY BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the
MEDITERRANEAN, EGYPT, ADEN, BOMBAT, CEYLON, MADRAS, CALCUTTA, the STRAITS, and CHINA, by their steamers leaving Southampton on the
4th and 20th of every month. And for MANILLA by those of the 4th of the month.
For further particulars, apply at the company's offices, No. 122, Leadenhall-street,
London; and Oriental-place, Southampton.

ruro, on LING— ralia.

rawall.

rnmall. ER, or 21st day s Office, coon, for Chidley, fendant, ree, and LS, and

HOCKIN, onday, ne Three ced, the E, 45 in. EREC-

SELL, is close

se, at a ABLE all but Britain ad flint

COMBE, TON:

G MA-

NT. licitor

ers Pa-wili be NICS' ntions, strated s, C.E. es, 14s.

s of Mr.

doing

6 ft. to

in con-

build-

pply to NISH Works,

A L;

SIGN:

INES FROM SOUTH AFRICA.

INES FROM SOUTH AFRICA.

Those wines, the produce of a British colony which has escaped the vine disease (the vintage occurring in February may account for the same), are, in consequence, wholesome, and are warranted free from acidity and brandy, and are admitted by Her Majesty's Customs at haif duty, hence the low price. A Pint Sample Bottle of cach for 24 stamps, bottles included. Packages allowed for when retarmed, EXCELSIOR BRANDY, Pale or Brown, 15s. per gall., or 30s. per doz. Terms, Cash. Country orders must contain a remitrance. Chaques to be crossed "Bank of London."

J. L. DENMAN, Wine and Spirit Importer, 65, Fenchurch street, London; Counting-house, First Door on the Left up Railway-place.

"Mr. Denman now supplies these wines at 20s. per dozen; and, as it is our rale not to speak in commendation of articles of which wear ignorant, it gives us much pleasure confidently to recommend these wines to our readers."—John Ball, Jan. 17, 1857.

"We have taken the trouble to try Mr. Denman's wines, on have also submitted them to several of the clergy, and the opinion formed is that they are worthy of being patronised."—Clerical Jearnal, Oct. 22, 1857.

EATHER MILL BANDS, HOSE PIPES, BUCKETS, &c.—
ean be SUPPLIED with the above articles of the very bet quality, and on the shorteat notice. PUMP BUTTS, and every other description of leather always on hand.—
Apply to J. Holgarz and Co., curriers and leather merchants, 33, Great Dover-road,
London, S.E. WHOLESALE HARNESS MANUFACTURERS.

THE LONDON WINE COMPANY LIMITED.
With power to raise capital to the extent of £100,000.
CHIEF OPPICES AND CELLARS, 43 AND 44. LIME STREET.
BRANCH OFFICE AND CELLARS, 1, PRINCES STREET, RECENT STREET.

BRANCH OFFICE AND CELLARS, 1, PRINCES STREET, REGENT STREET
The Directors of the London Wine Company have made arrangements with cultivators of the vine in the various wine-producing countries of Europe to be supplied
with PURE WINES and BEANDIES direct from the places of growth, and they can
thus offer advantages seldom to be met with in other quarters;—for example, they
can sell Sparkling and Creaming Champagne at 45s. 6d. per dozen, which is usually
sold at 60s., and often at 72s.; a Pure Claret at 30s., worth, according to the tarifi
issued by retailers, 3 and 4 guinens per dozen; Sherry, light gold, golden, or brown
at 36s. (this wine is shipped to the London Wine Company by the eminent firm, burf
Gordon, and Co., and can with difficulty be met with elsewhere under 48s. to 54s. per
dozen); Ports from 36s. per dozen upwards, according to age.

HENEY ROBERTSON, Manager.

Railway wagons.—william a. adams and co., midland works, birmingham.

Broad and narrow gauge coal and ironstone wagons, in stock—for sale or hire.

MESSRS. KNOWLES AND BUXTON, CHESTERFIELD, MANUFACTURERS OF PATENT TUBULAR TUYERES,

RAILWAY, MINERAL, AND OTHER WAGONS ON HIRE.
Apply to the Lancashire Wagon Company (Limited), Bury.

THE RAILWAY CARRIAGE COMPANY,
OLDBURY, NEAR BIRMINGHAM.
MANUFACTURERS OF EVERY DESCRIPTION OF BAILWAY PLANT AND
IRONWORK.
NEW AND SECOND-HAND RAILWAY WAGONS ALWAYS IN STOCK,
FOR SALE OR HIRE.
LONDON OPPICES,—34, GREAT GEORGE STREET, WESTMINSTER.

THE PERMANENT WAY COMPANY GRANT LICENSES for the USE of ALL the IMPORTANT PATENTED IMPROVEMENTS in the PERMANENT WAY OF RAILWAYS. They undertake their inspection during the process of manufacture; and, in the case of cast-iron sincepers, guarantec their durability on terms which effect an important reduction in the cost of renewal. Every information will be given on application to W. HOWDEN, Sec. 26, Great G-orge-street, Westminster.

JOHN ROGERSON AND CO., NEWCASTLE-ON-TYNE, AND MIDDLESBRO'-ON-TEES.
PIG, BAR, PLATE IRON, CHAINS, ANCHORS, PORGINGS, GIRDERS, PIPES, FOUNDRY WORK.
LONGBIDGE'S WEST HARTLEY STEAM COALS (on the Admiraly List), COKING, GAS, HOUSE, AND SMITHS' COALS, COKE, FIRE-BRICKS, &c.

BURGIN AND WELLS, STEEL CONVERTERS AND REFINERS,
MANUFACTURERS OF RAILWAY CARRIAGE AND WAGON SPRINGS,
IMPROVED CAST-STEEL FILES, &C.
HOLLIS CROFT STEEL WORKS, SHEFFIELD.

JOHN H. PECK, MANUFACTURER OF RAILWAY OIL COVERS, CART AND WAGON COVERS, OIL CLOTH, STACK COVERS, BOAT SHEETS, TABRAULIN, BRATTICE CLOTH, COKE AND CORN SACKS, POTATO BAGS, TWINER, &c., WIGAN. LONDON AGENT.—T. E. WELLER, 15, Duke-street, Adelphi.

CALVERT'S PATENT PROCESS FOR MAKING COKE AND IRON FREE FROM SULPHUR.
For LICENSES to USE the above process, apply to Robert Londdon, Jun., 63, King-street, Manchester.
For APPLICATION of the PATENT to GAS WORKS, apply to Mr. Gronde Trickert, Exchange Chambers, Manchester.

STEAM UNDER SIXTY DAYS ECLIPSED.

The Marco Polo of this line sailed with the steam-ship Royal Charter from Melbourne, and arrived in Liverpool eight days before her.
PASSAGE MONEY £14 AND UPWARDS.

BLACK BALL LINE BRITISH AND AUSTRALIAN EX-ROYAL MAIL PACKETS.

Appointed to Sail from LIVERPOOL on the 5th and 12th of each Month, FOR MELBOURNE,
FOR MELBOURNE,
FORWARD AND TASMANIA.

Ship. Register. Burthen. Captain.
SCOTTISH CHIEP 1052 3000 Bechan. 5th February.
JAMES CHESTON 1073 3000 BRYAN 12th February.
MARCO POLO 1625 33500 CLARKE 5th March.
NEW SHIP 1200 3000 MWINDLE 5th April.
GREAT TASMANIA 2140 4500 BREWER. To follow.
The above line is composed of the LARGEST, the FINEST, and PASTEST MERCHANT SHIPS in the WORLD, and have been built by the most celebrated builders of the day, including M'Kay, of Boston. They are commanded by men who have already rendered themselves famous, and their equipments and accommodations are unequalled by any line is composed of the day.
The Black Bail Line has had the distinguished honour of a visit from Her Majesty the Queen, who was most graciously pleased to say that she had no idea there were such magnificent ships in her merchant navy.
Freight and passage, apply to the owners, Janes Bailves and Co., Liverpool; or to T. M. Mackay and Co., 4, Moorgate-street, London, E.C. DUMPING AND WINDING ENGINES.—FOR SALE, an excellent 50 in. PUMPING ENGINE, 10 ft. stroke, two boliers 10 tons cach, in perfect condition, nearly new, with fire-proof house. A 24 in. WHIM HORIZONTAL ENGINE, with 10 tons bolier, nearly new, in excellent condition, and drawing machine attached.

As these engines are very superior in make and condition, parties requiring engines will do well to examine them.—Apply to Mr. C. Wescomp. 21, Southernhay, Exeter.

TRICKETT, Exchange Chambers, Manchester.

SHEET ZINC AND SPELTER.—ACTON BRIDGE ZINC BROLLING MILLS, NEAR NORTHWICH, CHESHIRE.

SHEET ZINC, out of the best selected SILESIAN SPELTER, refined and rolled at these mills, COMSTANTLY ON HAND, of all usual gauges, or rolled to order any practicable length, width, or thickness, to suit purchasers, on moderate terms. Also, TELEGRAPH PLATES, SHEATHING FOR VESSELS, &c. OLD ZINC and SHEATHING FURCHASED. SILESIAN SPELTER ON SAILE.—Apply to the Manager, at the Mills; or at the office, 3, Harrington-street, Liverpool.

CHORTRIDGE, HOWELL, AND JESSOP, HARTFORD STEEL WORKS, SHEFFIELD, SOLE MANUFACTURERS of HOWELL'S PATENT HOMOGENEOUS BOILER-PLATE METAL, combining the strength and durability of steel with the malleability of copper; warranted to bear double the pressure of the best boiler-plate from: RIVETS, ANGLES, and STAYS of the same material. Also, RUSSELL and HOWELL'S PATENT CAST-STEEL TUSES, for multitubular boilers, shafting, railway axies, &c.

Application to be made to Shonthious, Howell, and Jassop, Hartford Steel Works, Sheffield; and Mosers, Harvey and Co., 12, Haymarket, London.

will do well to examine them.—Apply to Mr. C. WESCOMD, 21, SOUTHORDAY, Exeter.

TO ENGINEERS, SHIP-BUILDERS, AND OTHERS INTERESTED IN SHEET-IRON STRUCTURES.

PLATES IN TO ENGINEER OF THE STRUCTURES.

This SIMPLE and EFFICIENT PROCESS for UNITING WROUGHT-IRON PLATES in the construction of Marine, Locomotive, and Land Boilers, Ships, Boats, Calssons, Tanks, Pans, Bridge Beams, Girders, and Sheet-Iron Structures generally, by WELDING instead of RIVETING, combines, with great ECONOMY of LABOUR and MATERIAL, the certainty of greatly INCREASED STRENGTH, PERMANENT SOUNDNESS, and FREEDOM FROM LEAKAGE.

This invention having been most satisfactorily tested, the patentee is prepared to GRANT LICENSES for the USE of his PROCESS; and invites the inspection of a HIGH-PRESSURE TUBULAR BOILER, which has been constructed under his immediate direction, and may be seen at the works of the Votorata Foundar Company, engineers and ship-builders, Greenwich.

Applications for licensee, and particulars of works required, may be obtained at the office, 12, Buckingham-street, Adeiphi, W.C., where samples of the welding may be seen. The welding furnaces will be supplied by the patentee's agent. ONDIE'S PATENT STEAM HAMMERS.—
FIRST-CLASS STEAM HAMMERS, from 10 cwts. to 7 tons, suitable for jobbing forges, puddling forges, engineers, ship-builders, wagon builders, smiths, &c.,
made under the subscriber's personal superintendence.

JOHN CONDIE.

Govan Bar Ironworks, Glasgow.

MESSRS. R. & J. COUPE, ENGINEERS and IRONFOUNDERS, MANUFACTURERS of HORIZONTAL HIGH-PRESSURE STEAM-ENGINES, from 10 to 200-horse power; the larger description of engines mounted with their IMPROVED EQUILIBRIUM SLIDE PISTON VALUE, which has proved itself so eminently adapted for winding and other engines.

Clayton Foundry, Wigan. PATENT WIRE ROPES, ONE-HALF THE COST OF HEMP RENRY J. MORTON AND CO. 8 OPE.

HENRY J. MORTON AND CO. 8 (2, BASINGHALL BUILDINGS, LEEDS) PATENT WIRE ROPES, for the use of MINES, COLLIERIES, RAILWAYS, &c.; one-half the weight of hemp rope, and one-third the cost; one-third the weight of chains, and one-half the cost—in all deep mines these advantages are self-evident. References to most of the principal colliery owner: in the kingdom.

GALVANISED SIGNAL CORDS AND KNOCKER LINES; will not rust or corrode, and not affected by the copper water in mines. Very strong, and not at all liable to break. Prices from 15s. per 100 yards.

PATENT ASPHALTED ROOPING FELTS, 1d. per, foot. DRY HAIR BOILER FELTS, saving 25 per cent. of fuel. PATENT BOILER COMPOUND, for bad water.

FAIRBANK'S WEIGHING MACHINES, of all sizes.

GALVANISED IRON BOOPING FELTS, 1d. per lb.

PATENT METALLIC PACKING, 4s. per lb.

PATENT ALENGEM PROBLEM FOR SIDENT OF THE PROBLEM P

STEAM PUMPS, FOR LAND AND MARINE PURPOSES, SINGLE or DOUBLE ACTING; sizes from 2½ to 12 in. diameter, and from 4 to 18 in. stroke; by JOHN CAMERON. Used for feeding boilers, raising water (for reservoirs, tanks, irrigation, &c.), turning power, or as a steam fire engine. Works, Egerton-street, Hulme, Manchester.

ATENT SAFETY FUSE.—The GREAT EXHIBITION PRIZE

AMEDAL was AWARDED to the MANUFACTURERS of the ORIGINAL

SAFETY FUSE, BICKFORD, SMITH, DAVEY, and PRYOR, who beg to inform

Merchants, Mine Agents, Railway Contractors, and all persons engaged in Biasting

Operations, that, for the purpose of protecting the public in the use of a genuine ar
ticle, the PATENT SAFETY FUSE has now a thread worought into its centre, which,

being patent right, infailibly distinguishes it from all imitations, and ensures the con
tinuity of the gunpowder.

This Puse is protected by a Second Patent, is manufactured by greatly improved

machinery, and may be had of any length and size, and adopted to every climate.

Address,—BICKFORD, SMITH, DAVEY, and PRYOR, Tuckingmil, Cornwall.

AGAINT FUSE.—Mesars. WILLIAM BRUNTON and CO., PENHALLICK, near BEDRUTH, CORNWALL, MANUFACTURERS OF FUSE,
of every size and length, as exhibited in the Great Exhibition of 1851, and supplied to
the Royal Arsenal at Woolwieh, the Arctic Expedition, and every part of the globe.
Messrs. BRUNTON and Co. are at all times PREPARED to EXECUTE UNLIMITED
ORDERS for SUPPLYING FUSE direct from their own MANUFACTORY, upon
warrant that it will prove equal to, if not better, than any to be procured elsewhere. N.B. Illustrated price list on application.

MOST IMPORTANT TO COLLIERY OWNERS AND COLLIERY MANAGERS.
HENRY J. MORTON AND CO.,
GALVANISED IRONWORKS, 2, BASINGHALL BUILDINGS, LEEDS, beg to call attention to their
IMPBOVED SIGNAL BELLS,
especially prepared to meet the requirements of the new Act for the Inspection of Coal Mines, It has met with the decided approval of many large colliery owners and managers. Simile, Expricient, and Chear. Price 15s., 17s. 6d., and 20s., each.
BYRAM'S PATENT ANEMOMETER, for testing the ventilation.
Price £3 3s. to £4 4s. each.

STEAM PRESSURE GAUGES, very strong and accurate, £2 and £2 12s. 6d. each.
For further information, apply to
I. J. MORTON AND CO., 2, Basinghall-buildings, Leeds.

ELLIS LEVER,

ELLEMBER PLACE, STOCKPORT ROAD, MANCHESTER,

AGENT TO DAVIS PENION AND CO., QUEEN'S FERRY, FLINT,

WIRE DRAWERS,

AND MANUFACTURERS OF

FOR MINING, RAILWAY, AND GENERAL PURPOSES.

A complete stock of every description kept at the Liverpool depot, 6, Wapping.

THOS. GEMMELL AND CO., WIRE ROPE MANUFACTURERS, WORKS, FIRHILL ROAD, SPRINGBANK, GLASGOW. WAREHOUSES—Finnieston Quay, Glasgow; 10, King-street, Liverpool; 43, Marischal-street, Aberdeen; 46, Osborn-street, Hull.

AIRBANK'S IMPROVED PATENT WEIGHING MACHINES, for the use of IRONWORKS, COLLIERIES, RAILWAYS, WAREHOUSES, STORES, &c.

The most ACCURATE MACHINES in use, and the cheapest.

MACHINES of all sizes, from 1 cwt. to 30 tons, for RAILWAY WAGONS, CARTS, or Prices and all other information, apply to

HENRY J. MORTON AND CO., GALVANISED IRONWORKS,

2, BASINGHALL BUILDINGS, LEEDS.

Patent Asphalted Roofing Felts, Boiler Felts, Galvanised Iron, Mining Stores, &c., in Stock. AS, Marischal-street, Aberdeen; 40, Osborn-street, Liverpool;
43, Marischal-street, Aberdeen; 40, Osborn-street, Hull.

AGENTS.

HENRY J. MORYON and Co., 2, Basinghall-buildings, Leeds,
GROBGE CUTLIN, Liverpool-road, Stoke-upon-Trent.

ISAAC NAYLER, Dibdale, near Dudley.

J. WADDINGTON, 106, Miligate, Wigan.

THOMAR REID, 33, Quayside, Newcastle-upon-Tyne.

ARNOLD AND SONS, WIRE WORKERS, WEAVERS,
AND IRONMONGERS TO HER MAJESTY.

NOS. 9, 12, AND 13, FORE STREET, DEVONPORT, DEVON.

ARNOLD AND SONS BORD STREET, DEVONPORT, DEVON.

ANNOLD AND SONS BORD STREET, DEVONPORT, DEVON.

MINES SUPPLIED with Brass and Iron Wire Sieves, Brass Machine Bottoms, Iron Cylinder Sifts, Copper Bottoms, Stamp Grates, Delewing Serges, &c.

MINING MATERIALS of every description supplied on the best terms.

Price Lists sent on application.

ARNOLD and Sons have a very extensive Stock of Furnishing, Navy, Army, and General Ironmongery.—Devonport, Three Doors above the Post-office. DATENT COMBINED GAS WORKS, OF ALL SIZES, for the use of PRIVATE HOUSES, MANSIONS, RAILWAY STATIONS, MILLS, COLLIERIES, VILLAGES, MINES, &c.
PIXED COMPLETE, with greatly improved means for purifying, &c.
Works of all sizes, from 10 lights to 500 lights, estimated for. The construction is so simple, that the works can be entrusted to the management of an ordinary labourer or servant. For LIGHTING CORNISH MINES these works are well adapted, and at a cost of one-half below the usual outlay.—Apply to
HENRY J. MORTON AND CO., GALVANISED IRONWORKS,
2, BASINGHALL BUILDINGS, LEEDS.

SOLE LIGHTSERS AND AGENTS.

General Ironmongery.—Devonport, Three Doors above the Post-office.

CHEMICAL LABORATORY AND ASSAY OFFICE,
1. OXFORD COURT, CANNON STREET, LONDON, E.C.,
Mr. R. V. TUSON, F.C.S., F.S.A. (late Demonstrator of Chemistry at St. Sartholomew's Hospital), may be CONSULTED on all SUBJECTS involving CHEMICAL PRINCIPLES; and is prepared to EXECUTE all kinds of METALLURGICAL AGRICULTURAL, COMMERCIAL, and other ANALYSES.
Mr. TUSON has a vacancy for a pupil, resident or otherwise.

A SSAY OFFICE AND LABOR TORIES, DUNNING'S ALLEY, BISHOPSGATE STREET WITHOUT, LONDON. Conducted by John Mirchiell, F.C.S., Author of "Manual of Practical Assaying," Metallurgical Papers, &c.

Assays and Analyses of overy description performed as usual. Special Instruction in Assaying and Analysis. Consultations in every branch of Metallurgical and Manufacturing Chemistry. Assistance rendered to intending Patentees, &c.

CALLARANTEED DATEBRA EN TERMINES.

OUARANTEED PATENTS.—The present practice of granting patents for inventions without examination or discrimination renders their validity and consequent value doubtful and uncertain; and, as the number of applications for patents annually increases, the risk of collision and of anticipation becomes greater. To remedy these evils, the UNDERSIGNED are prepared to GUARANTEE BY BOND the NOVELITY and VALIDITY OF PATENTS PROCURED and SPECIFIED BY THEM, on terms which may be known on application.

BARLOW AND CD., Patent Office, 89, Chancery-lane, London.

PATENT ACT, 1862.—Mr. CAMPIN, having advocated Patent Law Reform before the Government and Legislature, and in the pages of the Hining Journal, &c., is now HEADY to ADVISE and ASSIST INVENTORS in OBTAINING PATENTS, &c., under the NEW ACT.

The Circular of Information, gratis, on application to the Patent Office and Designs' Registry, 156, Strand.

DO VOU LOCK UP YOUR CASH AND BOOKS?

If not, tose no time in getting one of GRIFFITHS' SECOND-HAND FIRE
and THIEF-PROOF SAFES, for bankers, shippers, merchants, or public companies,
by the most eminent makers, at half the cost of new. WROUGHT-HRON DOORS
for strong rooms and party walls. Price of safes, 22 in. height, 15 in. width, and
16 in. depth, 23 los. All safes from this establishment warranted to be fire-rosisting,
sound, perfect, and quite equal to new.

C. H. GRIFFITHS, 191, Whitechapel-road, near Mile End-gate, E.

M.B. Fire-proof Safes, Iron Doo's, or Office Furniture bought.



HALEY'S PATENT LIFTING JACK,

MANUPACTURED BY THE INVENTOR,

JOSEPH HALEY, ALBION STREET, GAYTHORN,

MANCHESTER. SCREW JACKS, SHIP JACKS.

SLIDE AND CENTRE LATHES, PLANING, SHAPING, BORING, DRILLING, SCREWING, WHEEL CUTTING, AND OTHER MACHINES.

RIVET MAKING MACHINES.

TO ENGINEERS, MILL OWNERS AND OTHERS.



WANUFACTURERS OF

VULCANIZED AND UNVULCANIZED INDIA RUBBER IN EVERY FORM.

ELASTIC CANVAS AND INDIA RUBBER STEAM PACKING.

Buffer, Bearing, and Carriage Springs, Valves for Marine and Land Engines, Tubing
and other Appliances for Scientific purposes.

IMPORTERS OF

AMERICAN BELTING, BREWERS' HOSE, &c.

S. W. Silver and Co., 3 and 4, Bishopsgate-street, opposite London Tavern.

S. W. SILVER and Co., 3 and 4, Bishopsgate-street, opposite London Tavern.

OUTTA PERCHA BANDS, TUBING, &c.—

OUTBANDS, carefully MANUFACTURED from the VERY BEST GUTTA PERCHA Only, are considerably CHEAPER, and, when fairly worked, are far more DURABLE than LEATHER. Can be had in lengths of 160 or 120 ft. without a joint, are easily joined or repaired, and are, when worn out, re-purchased by us at about one-third of their original cost. In the event of a break down, a band of any size can be supplied within a few hours of receipt of order. The present prices are as under:— Bands ½ in. thick and upwards to ½ in. ... 25, 0d. per lb.

Subject to a liberal discount for cash, varying according to quantity. "UBING and other articles equally low. All our patented manufactures are to be obtained wholesale from our own works; retail from any of our dealers.

West-street, Smithfield, London, E.C.

NUMBER MACHINE DEAD MACHINE

VULCANIZED INDIA RUBBER MACHINE BANDING is not affected by wet, heat, or cold; does not stretch nor slip on the pulleys. HOSES for BREWERIES, &c., will not impart taste, smell, or colour; also, for conducting, or steam purposes. VALVES, WASHERS, PACKING, &c., IN STOCK.—Prices and testimonials on application to Dodos and Grandonars (late Dodge, Bacon, and Co.), 44, St. Paul's Church-yard, London, E.C.

NOTICE TO RAILWAY AND STEAM-BOAT TRAVELLERS-ANDERTON'S HOTEL, 162, 164, and 165, PLEET STREET. BREAKFAST, with joint, 1s. 6d. BEDS, 10s. 6d. per week. DINNERS from Twelve to Eight
o'clock; joint and vegetable, 1s. 6d.; with soup or fish, 2s. TURTLE SOUP and
VENISON DAILY. TABLE D'HOTE at Half-past One and Half-past Five at Two
shillings each. A night porter in attendance.

G LENFIELD PATENT STARCH,

USED IN THE ROYAL LAUNDRY.

AND PRONOUNCED BY HER MAJESTY'S LAUNDRESS TO BE
THE FINEST STARCH SHE EVER USED,

Sold by all chandlers, grocers, &c.

KEATING'S COUGH LOZENGES.—For half a century this well-known REMEDY for PULMONARY DISORDERS has successfully stood the test of public approval, and their usefulness has been extended to every elime and country of the civilized world. They may be found alike on the gold fields of Australia, the back woods of America, in every important place in the East or West Indies, and in the palace of Pekin. During this long period they have withstood the pretensions of numerous inferior rivals, and are now the acknowledged ANTIDOTE for COUGHS, COLDS, ASTHMA, &c., and tins, 2s. 9d., 4s. 6d., and 10s. 6d. each, by THOMAS KEATING, Chemist, &c., 79, 8t. Paul's Church-yard, London. Retail by all druggists and patent medicine vendors in the world.

A STHMA.—DR. LOCOCK'S WAFERS give INSTANT RELIEF and a RAPID CURE of ASTHMA, CONSUMPTION, COUGHS, and all DISORDERS of the BREATH and LUNGS. To singers and public speakers they are invaluable for clearing and strengthening the voice. They have a pleasant taste. Price 1s. 1½d., 2s. 9d., and 11s. per box. Sold by all medicine vendors.

AN ACT OF GRATITUDE.

Five Thousand Copies of a Medical Book for Gratuitous Circulation.

**EORGE THOMAS, Esq., baving been EFFECTUALLY CURED of a NERVOUS DEBILITY, LOSS OF MEMORY, and DIMNESS OF SIGHT, resulting from the early errors of youth, by following the instructions given in a medical work by a physician, he considers it his duty, in gratitude to the author, and for the benefit of nervous sufferers, to publish the means used. He will, therefore, send free, to any address, in a sealed envelope, on receipt of a directed envelope enclosing two stamps, to pre-pay postage, a copy of the medical work, containing every information required.—Address, G. Thomas, Esq., Craven House, Newcastle-upon-Tyne.

THE SECRET INFIRMITIES OF YOUTH AND MATURITY.

Just published, price One Shilling; post free, in an envelope, for 13 stamps.

ELF-PRESERVATION; a Medical Treatise on the Cure of Nervous and Generative Debility, resulting from vicious habits acquired during the critical passage from youth to manhood, with Practical Observations on the Physiology of Marriage, in its social, moral, and physical relations. To which are added, Remarks on the Wonders of the Microscope in revealing the hidden mysteries "of life within life," and its advantages in detecting, by urinary examination, the cause and effect of every variety of these complaints, with numerous engravings and cases. By SANUEL LAWART, MD., 37, Bedford-square, London.

Also, by the same Author, price 1s.; free by post for 13 stamps.

The SCIENCE OF LIFE; or, How to Ensure Moral and Physical Happiness.
Published by J. Allen, 29, Warwick-lane, Paternoster-row; and may be had of Mann, 39, Corthill; Horne, 19, Leieseter-square; Gordon, 146, Leadenhabl.street; or from the Author, who may be consulted daily, from Eleven till Two, and from Six till Eight, at his residence, 37, Bedford-square, London.

THE GREAT EUROPEAN REMEDY

FOR NERVOUSNESS, RELAXATION, AND EXHAUSTION.

Protected by Royal Letters Patent, and sanctioned by all the great Continental

Colleges of Medicine.

DR. DE ROOS' CELLEBRATED GUTTÆ VITÆ, OR LIFE
DROPS, are the great European remedy for Spermatorrhom, Exhaustion,
Nervousness, Debility, Incapacity for Roicity, Study, or Business, Shaking of the
Hands and Limbs, Indigestion, Flatalency, Shortness of Breath, Consumptive Habits,
Di'mness of Sight, Disziness, Fains in the Head, Eruptions, Blotches, Pimples, Sor
Taroat, Pains in the Bones and Joints, Scurvy, Scrofula, and all those discases for
Taroat, Pains in the Bones and Joints, Scurvy, Scrofula, and all those discases for
Taroat, Pains in the Bones and Joints, Scurvy, Scrofula, and all those discases for
Taroat, Pains in the Bones and Joints, Scurvy, Scrofula, and all those discases for
Taroat, Pains in the Hundreds of apparently hopelese cases, which had been given up by the faculty, have been speedily cured, and many thousands have derived almost
miraculous relief, when everythirg clee had signally failed.

Price Ils., and four times the quantity 38s, per bottle, obtainable through all medicine vendors; of whom also may be had the "Medical Adviser." 2s. 6d. in sealed
envelope; or it may be sent direct from the author for 42 penny stamps.

Advice and medicines sent to any address secure from observation, on receipt of a
full detail of the case and the usual fee of £1. Post-office orders payable at the Holborn Office to Walter De Roos, M.D., 16, Berner's-street, Oxford-street, London.
Hours for personal consultation daily from Elevent III Four, Sundays excepted.

N.B. Should difficulty arise in procuring the above, enclose the amount per Postoffice order, or otherwise, to 10, Berner's-street, and they will be sent securely packed
per return.

HOLLOWAY'S OINTMENT AND PILLS FAMED THROUGHOUT THE WORLD FOR THE CURE OF ULCERATED LEGS.—Mrs. Grace Faulkner, of Mount Radford, Totnes, Devon, was grievonsly afflicted with an ulcerated leg, that had proved incurable for years, the attendant symptoms being of the most painful nature. She was induced to give these remedies a trial, and in a short time her leg became perfectly sound. Therefore, from a grateful desire to spread its knowledge, and promote the good of others who may be similarly afflicted, voluntarily publishes this testimonial. Solid by all medicine vendors throughout the world; at Prof. Holloway's catabhaisments, 244. Strand, London, and 80, Maiden-lane. New York; by A. Stampe, Constantinopis; A. Guidley, Smyrna; and E. Muir, Maits.

THE MINING CHADE TICT	Shares. Puid. Last Price, Presen . Shares.	Paid. Last Price. Pre
THE MINING SHARE LIST. Starce. Mince. Puid. Last Price. Present. Dividends per Share. Last Paid.	4006 East Alfred Connols	opper and tin) 36 34 34 34 34 34 34 34 34 35 35 35 35 35 35 35 35 35 35 35 35 35 35 35 36
5120 Alfred Consols (cop.), Phillack* [S.E.]	1074 Kast Buller (copper), Redruth. 13 2\(\) 2\(\) 3 1024 Rosewarne 6000 East Caradon (copper) 2\(\) 2\(\) 1\(\) 2\(\) 3 1024 Rosewarne 6000 East Cornwall Cons. (tin & ep.) 2\(\) 3 2\(\) 3 2\(\) 3 5000 Round Hill	and Herland United 2½ 4½ 4½ 4 Consots £1 16 4 (silver-lead), Salop 13 ½ (silver-lead), Salop 13 ½ (silver-lead), Salop 13 ½ (silver-lead), Salop 14
5120 Alfred Concols (cop.), Phillack* [8.5.] 27, 11s. 100 E12% 13½ 13 E18 1 0 £0 4 0 - Dec. 7, 1857. 624 Balleswidden (tin), St. Just 11½ 4 12 5 0 0 8 6 - Jun. 1, 1854. 6400 Bedford United (copper), Tavistock* 26 6.86 66% 66% 9 16 6 0 5 6 - Dec. 19, 1857. 6400 Bedford United (copper), Tavistock* 260% 70 50 75 21 0 0 3 0 6 - Sept. 4, 1857. 6400 Botallack (tin, copper), St. Just* 20% 70 50 75 21 0 0 3 0 6 - Sept. 4, 1857. 6401 Botallack (tin, copper), St. Just* 91½ 180 170 418 5 0 3 0 6 - Dec. 18, 1857. 6402 Brightside and Froggatt Grove, Derbyshire. 3 4 3% 4 3 0 0 3 0 6 - Apr. 30, 1856. 6403 13 0 0 3 0 0 - July 31, 1856. 6404 13 0 0 3 0 0 - July 31, 1856. 6405 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200 East Fower Consols 1/4 1	ry, Trure£2 4 10 % 24 2 2 2 4 10 % 5 4 Bedford, Tavistock.13s. 10d 4 % d
1300 Brightside and Froggatt Grove, Derbyshire. 3	4000 E. Gunnis Lake & S. Bedf. (ep.) E3 19 6 12 12 12 6400 South Bulle 5000 East Hender (copper), Crowaii. 2 2 6000 South Ciffo 6000 East Kiti Hill (tin) 2 12 12 12 6000 South Ciffo	rand W. Penstruthai 14 234234 Brea (cop.) [8,K.]£2 6 6 5 5 & ord United, Gwennap 14 — 13
1000 Bryntail, Llanddoes, Montgomeryshire	4096 East Providence (tin), Uny Lel.	ver (tin, eop.), Camb. 11s.6d \$ 3s. ver (copper) 5\ 1\% 1\% ira 13s. cd 1 \%
4996 Calstock Consols (copper) 5 5½ 5½ 6½ xd 0 2 6 0 2 6 Dec. 23, 1887. 1000 Carn Brea (copper, tin), Illogan 15 45 40 45 237 10 0 2 0 0 Nov. 11, 1857. 2048 Carnyorth (tin), St. Just 4½ 5½ 43 0 15 0 0 3 0 June 16, 1856.	7750 East Sortridge	
200 Cefa Cwm Brwyno (lead), Cardiganshire 33 55 43 3 0 0 3 0 0 -Oet. 4, 1855. 2000 Collacombe (copper, tin), Camborne (S.E.) 5 16 14 15 2 5 0 0 8 0 Dec. 2, 1857. 236 Condurrow (copper, tin), Camborne (S.E.) 20 90 80 85 85 0 2 0 2 ue - Jane 10, 1857.	1000 East Trefusis (copper)	and and Relistion 1 2 Bertha (copper) ¾ ¾ ¾
1055 Craddock Moor (copper), St. Cleer 8 40 37½ 40 017 0 0 5 0 Jan. 8, 1858. 30000 Craven Moor, Limited (lead), Yorkshire 50 160 160 160 105 0 5 0 Debe 28, 1856. 125 Cwmystwith (lead), Cardignashire* 60 160 160 105 0 0 5 0 0 Debe, 16, 1857.	2048 East Wheal George (cop.), Devon £4 6 — 2 2 2 1105 80. Wh. Cro 10000 East Wheal Robert (copper) 3 3 3 3 3 3 105 80. Wh. Eri 4000 East Wheal Robert (copper) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ofty (cop.), Illogan £1 18 10 8 7 en (cop.), St. Agnes £5 1 10 6 8
Bwich (silver-lead), Cardiganshire 31, 1s, 60 1 1 0 26 0 26 - Daly 30, 1856,	5000 Fee Donald (lead) 88. 6d. 4 6000 South Whe 512 Forest (copper), Illogan 6 5208 St. Austell) 5208 St. Austell) 6000 For Dry Alympia 6 700 For Alympia 6	al Wrey
179 Doleoath (copper, tin), Camborne* 2573 200 200 225 268 0 0 8 0 0 Oct. 12, 1857. 12300 Drake Walls (tin, copper), Calstock 11, 194 1/4 1/4 1/4 0 13 6 0 2 0 -Sept. 11, 1857. 1800 Page Pages (Jack) Cardigeophylics 23 100 100 28 0 0 3 0 0 -Dec. 10, 1857.	3000 Frank Mills, Devon	Budock£11 18 7 234 8 ep.), near Tavistock£5 11 6 1
Solution Section Sec	4000 Gawton (copper), Tavistock £3 9 6 \$ 1000 Tokenbury 6000 Gellirheiron (sli-id.), Cardigan 1 6000 Tolyadden, 1024 Gillar, tip. 8 18 18 6 1024 Tolyadden, 1024 Grant Tolyadden, 1024	Consols, Liskeard £10 2 1 Marazion 5% 6
1024 East Wheal Margaret (tin, copper) 7% 3 % 2 0 5 0 0 5 0—Jan. 11, 1854. 5760 Exmouth (silver-lead) 44, 148 8 3 7 6 0 2 6—Dec. 23, 1857. 1400 Eyam Mining Company (lead), Derbyshire. 5 55 55 56 56 18 13 4 1 0 0—Dec. 26, 1857. 1400 Fowey Consols (copper), Tywardreath 4 7 5 41 4 3 0 6 0—Feb. 17, 1857.	4096 Great Caradon (copper)	Crowan (Limited) 5 5 1vlead), Menheniot 4 5
Fowsy Consols (copper), Tywardreath	13900 Great Hewas United (tin) E 17 1 1 4 4000 Tresellyn (1 13864 Great Onslow Con., Camelford. 1 2045 Trevelynn (2 2045 Trevelynn (2 2045 Trevelynn (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	and and Reliatian 1 2 3 Bertha (copper) 3 4 5 Bertha (copper) 4 5 4 5 Bertha (copper) 3 7 7 fly (cop.), lithney £3 7 7 7 fly (cop.), Camborne 7 10 1 al Wrey 8 6 6 2 4 11 E 5 6 2 4 11 E 5 6 5 2 4 11 E 6 5 8 4 8 8 Fundock 8 11 8 7 2 4 3 pp., near Tavistock £3 11 6 1 4 Consols, Liskeard £10 2 1 Arrayion 8 5 8 3 14 Consols, Liskeard £10 2 1 Ferranuthne £3 5 3 1 16 Ferranuthne £3 5 3 1 16 Ferranuthne £3 5 3 1 16 Ferranuthne £3 5 5 1 16 Ferranuthne £3 1 16 Ferranut
1413 General Mining Co. for Ireland (cop., lead). 4 2 2 1 1 0 8 9 3 3 -June 9, 1852. 2000 Goginan (silver-lead), Cardiganshire 11 2 - 2 2 2 0 0 5 0 -Sept. 5, 1850. 1024 Gonamena (copper), St. Cleer 1.3 15 10 12 0 7 6 0 7 6 -Dec. 21, 1852. 243 Grambler and 8t. Aubyn (copper) 109% 82% 50 83 7 0 0 1 0 0 -Jan. 5, 1858. 6000 Great South Tolgue (S. E.) 2 2 14% 14% 14% 15% 1 9 6 0 5 0 -Dec. 17, 1857.	12000 Great Sortridge, Whitehurch6s. 6d	nsols, Padstow 2s — % rowan, Cornwall 10 10% 9 nited (allyer-lead) 14 18
8666 Great Wheal Vor (tin, cop.), Heiston [S.E.] 4 ½ 1½ 1½ 0 5 0 0 5 0 — Oct. 22, 1855. 119 Great Work (tin), Germoe 100 140 231 10 0 7 10 0 — Peb. 27, 1857. 1024 Herodsfoot (lead), near Liskeard 8½ 7½ 3 2 6 0 10 0 – Sept. 33, 1857. 6000 Hingston Down Consols (copper), Calstock 3½ 3½ 4 2 16 0 0 2 6—Nov. 25, 1856.	5120 Great Wheal Baddern (tin) £3 10 6 7 1 6400 Tyne Head 6000 Gt. Wh. Busy(cop. & tin), Kenwyn 7 7 7 4 4000 Tyn-y-Worl 1024 Gt. Wheal Fortune, Brease £55 13 10 7 21 44 10000 Tyn-y-bert	(silver-lead)
1024 Herodefoot (lead), near Liskeard 8 4 7 1 7 2 3 2 6 0 10 0 - Sept. 23, 1857. 6000 Hingston Down Consols (copper), Calstock 23 4 4 3 3 4 2 16 0 0 2 6 - Nov. 25, 1856. 2500 Holyford (copper), near Tipperary 11 8 4 2 6 0 5 6 - Jan. 28, 1857. 2500 Isle of Man (Limited)* 25 42 4 2 55 17 3 1 0 0 - Dec. 16, 1857. 26 Jamaica (lead), Mold, Flintshire 3, 13s. 6d 880 0 0 5 0 0 - Mar. 10, 1851.	3000 Gwinear Consols (copper) 5 4 6000 Virtuous Ld 8634 Gwydyr Park Consols, Llanrwst 8s. 3d 4 5085 United Min 512 Helamanning and Croft Gothal 1044. 2 200 Waenjas (h	ndy and Wh. Bedford % 1 1 les, Tavistock 1 % 9
76 Jamaica (lead), Mold, Flintshire	8192 Hawkmoor (tin, cop.), Calstock 1 % 5 5 960 Wendron U 100 Herward United (lead), Plint., 60 55 55 1024 West Alfree 5000 Holmbush (id., cop.), Callegron 4 4 9 18 9 900 West Crim	nited (silver-lead) 1 1 1% % (cilver-lead) 4 % % glodd (siate), Carna. 5 4 % % lodd (siate), Talyllyn. 1 % % sky nad Wh. Bedford % 1 sky Tavistock 1 % sky Tavistock 2 % losy, Tavistock 2 % di (cep.), Phillack.£33 0 % 39 30 38 is & Regent United. 4% 4 4%
20 Laxey Mining Company, Isle of Man 100 1000 1000 1420 0 0 50 0 0 — June 30, 1857. 100 Levant (copper, tin), St. Just 2½ 90 80 90 1062 0 4 0 0 — May 12, 1857. 200 Levis Mines (tin, copper, St. Erth 6i, Is. 11½ 0 10 10 0 10 0 — Dec. 20, 1855. 400 Lisburne (lead), Cardiganshire, Wales* 18½ 120 120 304 10 3 0 0 — Dec. 3, 1857.	6000 Huckworthy Bridge (copper)5s, ed	y Consols (tin, cop.). 7 7 536 31 yille 46.44
6000 Marke Valley (copper), Caraton 44, 10s. 6d. 25, 2 0 5 8 0 8 0-Sept. 7, 1855, 5000 Mendip Hills (lead), Somerset 33, 15, 15, 15, 17, 17, 17, 17, 1855, 5000 Merllyn (lead), Flint 35, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	6000 Keswick (lead), Portinscale£4 9 6 1 25000 West Par Ct 6500 Kinnerton, Salop £1 3 - 1½ 1024 West Rose 6000 Lady Bertha (copper) [S.R.] 18s. 6d ½ 2 1 256 West Sharp	on. (cop.), St. Blasey 1 2 16
1800 Minera Mines (Limited) 25 90 125 24 26 3 26—Nov. 11, 1857. 20000 Mining Co. of Ireland (copper, lead, coal) 7 15\(\) 16 xd 13 7 9 0 12 3—Jan. 7, 1858. 5000 Nanteos and Pearbiw, Limited (£2\(\) shares) 1\(\) 1\(\) 1\(\) 1\(\) 1\(\) 1\(\) 1\(\) 1 1\(\) 0 1 6 0 1 6—Apr. 30, 1855.	1024 Ledat & St. Aubyn (tin, cop.)£12 16 3 3% 44 4% 1036 West stray 1024 Lelant Consols (tin) 27 11% 11% 1024 W. Ting To 4474 Lambest Consols (silver-lead) 4s. 4 6s. 6d. 512 West Whea	Park, Camborne 2 5 5 ung (cop.), Gwennap 4 1 l Prances, Illogan 434 15 15
20000 Mining Co. of Ireiand (copper, lead, coal) 7 15\ 16 xd 13 7 9 0 12 3—3an. 7, 1858.	2048 Reneggy, Breage	y Consols (tin, cop.). 7 7 5 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
700 North Roskear (copper), Camborne	1024 Mill Pool (tin.cop.), St. Hilary £13 16 6 2½ 2½ 2½ 4000 Wheal Addi 7300 Mixon Great Con. (cop.), Leek £1 19 2 1 16000 Mold (lead), Limited ½ 2 1024 Wheal Agai	ams (copper & lead) 11s, 2½ 2) r (copper), Illogan £1 19 3 3 ie (cop.), Gwinear 2 4
6400 Par Consols (copper), St. Blazey [S.E.] 1½ 17 17½ 18½ 31 4 0 1 10 0—Oct. 27, 1857. 500 Pak United (lead), North Derbyshire 7½ 2½ 2½ 410 0 0 10 0—Apr. 13, 1856. 200 Phenix (copper, tin), Linkinghorne 100 370 244 10 0 20 0 0—Nov. —1857. 1000 Polberro (tin), St. Agnes (Preferential) 15 — 370 218 11 9 1 0 3—July 11, 1857. 1722 Division of the company of the compa	10000 Molland (cop.), South Moulton. £1 4 3 4 12000 Wheal Bray 4157 Mount's Bay Consols, Marsaxion 4 4 4 2 256 Wheal Che 128 Mulberry Hill (tin), Lanivet 2 34 512 Wheal Clin	rry
1772 Ditto (Old and ditto)	64 Nant-ar-Nelle, Liandovery 31 20 512 Wheat Coat 320 Nent Force, Alston 1 1½ 1024 Wheat Cone 6400 New Crow Hill (lead) 134 14 14 2 4966 Wheat Core	stance (silver-lead) 4½ 4
2500 Rhoswydol and Bacheiddon (lead)	2400 New Machno Slate and Slab Co. 10 9 5120 Wheal Cup 8000 New Treleigh Consols, Redrath 16 3 2 4096 Wheal Ediz 4000 New Wh. Vor and E. Wh. Metsi 114 3 214 5 6000 Wheal Ediz	ton (lead) 12 15 1
512 Rosewarne United (copper, tin), Gwinear*. 12 22½ 21 22½ 32 10 0 1 10 0—June 3, 1857. 12000 Sortridge Consols (cop.), Whitehureh [S.E.] 68. 1½ 1½ 0 10 0 0 2 6—July 27, 1857. 256 South Crisnis (copper), St. Cleer* [S.E.] 2½ 340 340 330 492 0 0 10 0 0—Nov. 24, 1857. 128 South Crisnis (copper), St. Austell 19 285 285 60 0 0 20 0 0—June 18, 1855. 258 South Tolgus (copper), Rotrath, Cornwall 16 115 110 130 74 0 0 3 0 0 —July 28, 1857. 495 South Wheal Frances, Illogan* [S.E.] 134, 184, 9d 210 200 282 5 0 7 0 0—Jan. 4, 1858. 1024 Spearne Consols (tin), 8t. Just, Cornwall 3d. 12s. 2 1 1½ 8 8 6 0 2 6—Dec. 10, 1853. 250 Spearne Moor (copper), 8t. Just 23. 7s. 8d. 15 4 5 0 0 10 0—June 13, 1856. 970 8t. Aubyn and Grylls (cop, tin), Breage 6f. 84. 4d. 5 4 4 ½ 0 17 6 0 7 6—April 1, 1852. 20000 8t. Day United (tin and copper) 2 1 1 0 2 6 0 1 0—Sept. 14, 1857.	1024 North Buller (eop.), Redruth £12 13 6 5\(\) 4\(\) 1024 Wheal Eller 2000 North Downs (eop.), Redruth 5\(\) 1\(\) 1\(\) 1\(\) 1\(\) 1000 Wheal Emi 256 North Fowey (eopper) 4\(\) 4\(\) 4\(\) 000 Wh. Emin 4\(\) 4\(\) 000 Wh. Emin 256 North Fowey (eopper) 4\(\) 4\(\) 1000 Wh. Emin 256 North Fowey (eopper) 4\(\) 4\(\) 1000 Wh. Emin 256 North Fowey (eopper) 4\(\) 1000 Wh. Emin 256 North Fowe	n (cop.), 8t. Agnes £4 2 2% 21 ly (cop.), Gwithian. 2 3 5 (cop.), Buckfastleigh % 6 7 7
490 South Wheat Frances, Holgan's C.B., J. 184, 193, 3rd. 210 200 232 50 7 0 — Jan. 9, 1855. 1024 Spearne Consols (tin), 8t. Just, Cornwall3l. 12s. 2 1 1½ 8 8 0 2 6 — Dec, 10, 1833. 280 Spearne Moor (copper), 8t. Just;	2500 North Frances (cop.) [S.E.]	(tin), Wendron£17 3 6 10 neo, near Tavistock 20 1/4 8 18
280 Spearne Moor (copper), St. Just+	1000 North Levant (tin,cop.), St. Just 6 % 3 % 3 % 3 % 3 % 4 600 Wheal Girl S12 North Penhaldarva 1 % 5 % 5 600 Wheal Girl S12 North Rosewara, Gwincar 1 % 5 % 1 % 5 600 Wheal Girl S12 North Rosewara, Gwincar 1 % 5 % 1 % 5 120 Wheal Har 1024 North Wheal Busy	on
94 St. Ives Consols (lin), St. Ives Sol 160 160 xd 915 0 0 5 0 0 Nov. 19, 1857. 9400 Tamar Consols (sil.,lead), Beeralston [S.E.] 4½ 1 1 1 1½ 4 13 6 0 2 6 Feb. 7, 1856. 9500 Tincroft (copper, tin), Pool, Illogan [S.E.] 9 3½ 3½ 4 8 3 6 0 5 0 - April 13, 1857. 9512 Trelyon Consols (tin), St. Ives 11½ 13 14 16 1 15 0 1 0 0 Feb. 21, 1856. 9513 Trethellan (copper), Gwennap, Cornwall 42½ 65 55 65 4677 15 0 5 0 0 - June 4, 1855. 120 Trethellan (copper), Gwennap, Cornwall 15½ 20 15 403 13 6 2 10 0 - Apr. 29, 1851. 4000 Tretoll (copper, tin), Bodmiss 11, 3s. 6d 3 1 1½ 0 5 0 0 5 0 - July 8, 1886. 4006 Trewtha (silver-lead), Menheniot, Cornwall 2½ ½ ½ ½ 5 1 12 0 0 3 0 - April 2, 1837. 100 Trumpet Consols (tin), Bat Helston 95 50 20 55 0 0 5 0 0 - Dec. 20, 1854. 400 United Mines (copper), Gwennap [S.E.] 40 115 110 61 5 0 2 0 0 Feb. 12, 1856.	3896 North Tavy (copper)	riett, Camborne£3 10 6 ¼ 6s. der, Crowan£2 12 14 2 2 el (cop.), St. Hilary. ¼ – 2)
10 Tretalelan (copper), Gwennap, Cornwali 12/2 05 55 65 4677 15 0 5 0 0 -2 une 4, 1955. 120 Tretalelan (copper), Gwennap, Cornwali 15/5 20 15 405 13 6 2 10 0 -2 une 4, 1955. 4000 Tretoil (copper, tin), Bodmin	1024 No. Wh. Gilbert (cop.), St. Erth £1 19 2	es (copper), Devon 16s 1 cott £2 10 8 136136 gery (tin and copper) 11 \$6 9 9;
4696 Trewthat (alver-lead), accidently Cornwall 22	2400 N. Wh. Unity (cop., tin), Gwin. 1½ 1	shall, St. Cleer 1 1 1 6 Emma (tin), Lydford 4s — 6 in (cop.), Lianivery. 3 1)6 1)
20000 Vale of Towy (lead), Carmarthen (S.E.] % % % 1 0 3 9 0 0 6—June 12, 1857. 512 Wendron Consols (tin), Wendron	1000 Old Theroft (tin), Lelant	gan, Llandovery 5 10 3214 33 3 ard 10s. 8d 1
2:6 West Caradon (copper), Liskeard [8.E.] 20 110 105 110 285 5 0 2 0 0—Sept. 23, 1857. 235 West Damsel (copper), Gwennap 50 75 80 22 0 0 2 0 0—July 20, 1857. 1024 West Providence (tin), St. Erth+ 24, 11s. 7d 2 2 3 33 19 0 10 0—April 8, 1857.	10000 Pedn-an-drea United (tin) £2 15 6 1 1 1½ 4096 Wheal Sidn 36820 Pembroke & East Crinnis (cop.)£1 7 6 ½ ½ 4096 Wheal Tall	iey, Piympton£1 18 9 134 13 ack, St. Agnes 3 3 3
400 West Wheal Seton (copper), Camborne* 38¼	4945 Pendeen Consols, 8t. Januar 23 34 34 34 1024 Wheal Tho 512 Penhaldarya 44 25 50 55 4000 Wheal Tree	mas, Perran Porth 2 4% 4
512 Wheal Basset (copper), Riogan* [8,E.]	4228 Penquean, 8t. Breock 1 3102 Wh. Unity 1200 Penstruthal (copper)	(cop., tin), Gwinear £8 19 24 2 (tin, cop.), Redruth£25 17 7% 5
500) Wheal Fortescue, Bodmin nii. % 0 2 4 .0 1 6—Jan. 14, 1856, 128 Wheal Friendship (copper), Devon 50 80	1160 Perran St. George (copper, tin) 21¼ 10 8 10 1024 Wheal Was 512 Polbreem 4 4½ 4½ 496 Wh. Zion (c. 2048 Polbrews (Jeed) Cardians 23 8.6. 4½ 4½ 496 Wh. Zion (c. 2048 Polbrews 4 496 Wh. Zion (c	rstuff, St. Erth
512 Wheal Jane (silver-lead), Kea. 3½ 17½ 15 17½ 8 10 0 1 10 0 0ct. 16, 1857, 5 100 Wheal Kitty (tin), St. Agnes 4½ 3½ 4 0 6 0 0 3 0 0 mar. 24, 1857, 124 Wheal Kitty (tin), Uny Lelant [S.E.] 51 7 2 12 12 15 6 0 0 1 0 0 8ept. 17, 1857,	100 Pentre Lygan 20 22 1024 Wheal Vent 1160 Pertran St, George (copper, tin) 2134 10 8 10 120 Pertran St, George (copper, tin) 2134 10 8 10 120 Pertran St, George (copper, tin) 2134 10 8 10 120 Pentre Wheal Vent 4% 4% 120 Pentre Wyd (lead), Cardigan £2 16 1 120 Pentre Wyd (lead), Cardigan £2 16 1 120 Pentre Wyd (lead), Nold £7 12 12 120 Pentre Wyd (lead), Nold £7	nn
430 Wheal Lovel (tin), Wendron	*.* Those mines with [S.E.] appended have been admitted of	on the Stock Exchange.
Trumpet Consols (tin), near Helston 93 50 20 55 0 0 5 0 — Dec. 20, 1884, 400 United Mines (copper), Gwennap (8.E.) 40 115 110 61 5 0 2 0 6 — Feb. 12, 1886, 20000 Vale of Towy (lead), Carmarthen [S.E.] % ¼ ¼ 1 0 3 9 0 0 6 — June 12, 1857, 512 Wendron Consols (tin), Wendron 231, 7s. 8d. 40 34½ 35½ 2 0 0 1 0 0 5 — June 12, 1857, 512 Wendron Consols (tin), Wendron 231, 7s. 8d. 40 34½ 35½ 2 0 0 1 0 0 10 0 — Nov. 23, 1857, 216 West Caradon (copper), Liskeard (8.E.) 20 110 105 110 285 5 0 2 0 0 Nov. 23, 1857, 225 West Damsel (copper), Liskeard (8.E.) 20 110 105 110 285 5 0 2 0 0 — Sept. 23, 1857, 225 West Damsel (copper), Cambornes 38½ 300 290 300 102 10 0 8 0 0 — Doec. 13, 1857, 226 West Wheal Seton (copper), Cambornes 38½ 300 290 300 102 10 0 8 0 0 — Doec. 13, 1857, 228 Wheal Arthur (copper), Calstock 8 6 3¾ 4 6 10 0 0 10 0 — Obec. 13, 1857, 229 Wheal Rat (un), St. Just 6 5 2 0 0 Nov. 24, 1855, 229 Wheal Balset (copper), Hologan* (8.E.) 5 295 270 290 850 0 0 7 10 0 — Nov. 14, 1855, 229 Wheal Balset (copper), Hologan* (8.E.) 5 295 270 290 850 0 0 7 10 0 — Nov. 14, 1855, 229 Wheal Clifford (copper), Gwennap — 250 230 250 42 0 0 5 0 — Doec. 13, 1857, 220 Wheal Fortsceue, Bodmin — nii. 500 230 250 42 0 0 5 0 — Obec. 14, 1857, 220 Wheal Fortsceue, Bodmin — nii. 500 230 250 42 0 0 5 0 — Obec. 14, 1857, 220 Wheal Grylls (copper), Deron 50 80 2375 10 0 8 0 — May 10, 1854, 124 Wheal Grylls (copper), Deron 50 80 2375 10 0 8 0 — May 10, 1854, 124 Wheal Grylls (copper), Deron 50 80 2375 10 0 8 0 — May 10, 1854, 124 Wheal Grylls (copper), Deron 50 80 2375 10 0 8 0 — May 10, 1854, 124 Wheal Kitty (tin), Uny Lelant (8.E.) £1 7 2 12 13 6 0 0 1 10 — Obec. 15, 1857, 1850 Wheal Kitty (tin), St. Agnes — 45, 33, 44 6 0 0 2 0 0 2 0 Peb. 24, 1857, 1850 Wheal Kitty (tin), St. Agnes — 45, 33, 44 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bining Companies Sacorynrated with Timit	ted Liability.
1040 Wheal Trelawny (silid.), Liskeard (S.E.) 4\% 27\% 27\% 29 10 0 1 0 0-Oct. 20, 1857, 1024 Wheal Tremayne (tin, copper), Gwinear 11\% 2 2 10 2 6 0 7 6-Jan. 11, 184. 4096 Wheal Wrey (lead), St. Ivet 11. 98. 5\% 5\% 5\% 15\% 12 12 6 0 2 6-Dec. 22, 1857.	Asadian Charcoal Iron (6l. paid) £2000600 £6 Loughtes Slate, T Angio-Prench Porcelain. 64060 20 Low Furness Iron Ballymoneen Copper 20090 2 Machynlleth Park Eangor Slate 85000 50 Manchester and F Bavarian Coal 20080 25 Maria Anna and s	Nom.cap. Share. Bus.n Pom.cap. Share. Bus.n Pom.
good Wicklow (copper), Wicklow	Bangor Slate	estiniog Slate and Slab 75000 10 Steinbank Coal160000 10 ver-Lead
FOREIGN MINES. 10000 Alten and Quenangen Un. (cop.), Norway £16½	Berehaven 2000 1 Maria Consols Sil	g 30000 1 23400100 5250 5
2444 Burra Burra (copper), South Australia. 5	Bristol and Forest of Dean. 25000 1 Millom Mining	neral
20000 General Mining Assoc, Nova Scotta [S.E.]. 20 15% 10% 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 50 10 10 50 10 <t< td=""><td> Broadmot 20000 28 Mount Gabriel M </td><td> Ining Assoc. (1s. paid) 50000 — Mining 5000 1 Le and Slab 2200 10</td></t<>	Broadmot 20000 28 Mount Gabriel M	Ining Assoc. (1s. paid) 50000 — Mining 5000 1 Le and Slab 2200 10
173815 Mariquita and New Granada (S.E.)	Cambrian Slate	re Coal and Iron 20000100 10000 1 mpany 10000012
10000 Alten and Quœnangen Un. (cop.), Norway £16 \(\frac{1}{2} \) 6 \\ 6 \(6 \) 6 \(6 \) 6 \\ 6 \(6 \) 6 \\ 6 \(6 \) 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6 \\ 6	Casteil Lead Mining 6000 1 Old Park Iron Col Central Italian Copper 50000 2 Oola Cheesewing Granite 9600 300 Orom's Hill Chira Clay 10000 50 Paragon and Sper Chirk Castle 16000 250 Park Hill Clara Silver-Lead (2l. 3s. 6d. paid) 8000 4 2½ Patent Gold Was Cley Ray Park Patent Gold Was Cley Ray Park Patent Gold Was Penchawd Colling Park Patent Gold Was Park Patent Gold Was Park Patent Gold Was Park Patent Gold Was Park Patent Wood Cley Ray Patent Gold Was Park Patent Wood Cley Ray Patent Gold Was Patent Gold Was Patent Wood Cley Ray Patent Was Patent Wood Cley Ray Patent Was Patent	10000 1 1 1 1 1 1 1 1
83676 North British Australasian [S.E.]	Clara Gilver Leed (0) 2a 6d reid) 8000 4 21/ Patent Cold Was	6800 100
Bhares. Paid. Last Price. Present. Shares. Paid. Last Price. Present. 20000 Australias [S.E.]	Copiapo Smelting	olliery 2500 1 1
40000 Charcellorsville Freehold	Cornwall Great Consolidated Lead, &c. 24000 2	50000 1 36 1
350000 Copper Miners of Eng. [8.E.] 51002	Dairhiew (24, 10s, paid) 15000 5 Ettion Castie Min Dolven Lead 5000 1 Siver Tamar Cop Dun Mountain Copper 75000 1 1/4 1/6 Rotserham and Machine East Goldscope Mining 4096 2 Rusbon Coal Com East Indian Coal 50000 10 10 Ruardean Coller English Ridge, Newfoundland (10s.pd.) 2000 10 5 St. Helen's Alkali Parallel (10s.pd.) 10 11 11/6 Severn Mines 10 10 10 10 10 10 10 1	per
2 000 Fortuna	East Goldscope Mining	y (5s. paid) 15000 1
2300 Kinsighal Min. Ass., Germany 4 1) 7830 Ditto, Presente, 10 per cent. 1 25000 Liberty, Virginia 1 35425 Wheal Jamaica (copper) 17s	English Ridge, Newfoundland (10s. pd.) 2000 1 5 St. Helen's Alkali	
~~~~	Power of Dans and South Wales Trees 950000 10	Shropahire t cell 7000 " To
	Power of Dans and South Wales Trees 950000 10	Shropahire t cell 7000 " To
## Shares.	Forest of Dean and South Wales Iron. 250000 10 Shropshire Black Fort Bowen, New 35000 1 Smittergill Head Garnett and Moseley Gold Mining 50000 1 South Bog Lead ( Great Barrier Land, Harbour, & Mining 50000 1 South West of Iro Great Caradon Slate 12000 1 Staffordshire Iron	Shropshire Loai   7000   10   10   10   10   10   10
	Forest of Dean and South Wales Iron. 250000   10   Shropshire Black Fort Bowen, New State Stat	Shropshire Loai   7000   10   10   10   10   10   10
~~~~	Porest of Dean and South Wales Iron. 250000	Shropshire Loai   7000   10   10   10   10   10   10
A444	Porest of Dean and South Wales Iron. 250000	Shropshire Loai 7000 10 10 10 10 10 10
	Porest of Dean and South Wales Iron. 250000	Shropshire Loai 7000 10 10 10 10 10 10
444	Porest of Dean and South Wales Iron. 250000	Shropshire Loai 7000 10 3 3 3 3 3 3 3 3 3
PROGRESSIVE MINES. Shares. Paid. Last Price. Present. 920 Camborne Vean & Wh. Frances £12 8 9 7 6 6000 Abbey Consols (lead), Cardigan.14a.6d 1½ 1½ 1256 Astron Consols £6 12 3 5 10000 Armodell (cop.), near Ashburton 2 2½ 2½ 10000 Armodell (cop.), near Ashburton 2 2½ 2½ 10000 Ashburton United 2 2½ 1000 Ashburton United 2 2½ 1000 Ballyvirgin, Co. Clare £2 3 3½ 1000 Ballyvirgin, Co. Clare £2 3 3½ 1000 Ballyvirgin, Co. Clare £2 3 3½ 1000 Carvain (lead) 2½ 1000 Carva	Porest of Dean and South Wales Iron. 250000	Shropshire Loai 7000 10 10 10 100 10 100 10 100 10 100 10 100 10 100 10 100 10

AY AND COMMERCIAL GAZ	ZETTE. [JAN. 16, 1	858.
Shares, Paid, Last Price, Presen . 4006 East Alfred Consols	Shores. Paid. Last Pr. 12000 Redmoor (copper and tin)	ice. Press
512 East Basset (copper), Redruth. 27 6 9214 9214 9714	6000 Rosewall Hill & Ransom United 2 3	C 21/4 1
1024 East Buller (copper), Redruth. 13 2½ 2¾ 3 6144 East Cardon (copper) 2½ 1¼ 1¼ 2½ 3 5200 East Fowey Consols 1½ ¾ ¾ ¾	1024 Rosewarne and Herland United 3% 4) 4096 Rosewarne Consols	5
5200 East Powey Consols	1024 Silver Valley, Truro£2 4 10 4 24 4000 Sithney Wheat Buller (tin) £4 2 5	2 24
2000 E. Gunnis Lake & S. Bedf. (cp.) E3 19 6. 13 14 14	1024 Hosewarne Consols 10 10 10 10 10 10 10 1	2 2 % 25
25000 East Hender (copper), Crowaii. 19 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	6000 South Clifford United, Gwennap 16	11/4
5000 E.Rosewarne(cp.,tin), Gwinear£1 5 6 1 1 1000 East Rosewarne (tin), Crowan . 3 1	3502 South Crenver (copper) 5½ 13 6000 South Cuddra	1% 18
9000 East Tamar (silld.), Beerferria 2166 X X X	256 South Garras, St. Clement 26 45	25 34
	2000 South Herland and Relistian 1 2 0000 South Lady Bertha (copper) 3 9	*** *1
119 East Wheal Agar	1024 South Providence (tin), Sithney £3 7 7 1105 So. Wh. Crofty (cop.), Illogan £1 18 10 8	78
4000 East Wheal Russell Taviatoek 64 11 3 08 91	256 So. Wh. Seton (cop.), Camborne 7 10 6000 South Wheal Wrey 1a 6d. 4	14
512 Forest (copper), Illogan 6 4 4 4 4	2000 South Herland and Relistian 2 2 6000 South Lady Bertha (copper) 3 5 7 7 1054 South Providence (tin), Sithney £3 7 7 1105 So. Wh. Crofty (cop.), Illogan £1 Is 10 6 256 So. Wh. Seton (cop.), St. Agnes £5 110 6 256 So. Wh. Seton (cop.), Camborne 7 10 6000 South Wheal Wrey 1s. 6d 4 2508 St. Austell Consols £5 6 5 2 4 2508 St. Austell Consols £6 5 3 2 4 2500 Tavy Con. (cp.), near Tavistock £5 11 6 1 6400 Tees Side (lead), Cumborland £1 11 6 1 6400 Tees Side (lead), Cumborland £1 11 6 2 1 1 1 1 1 1 1 1 1	1×
	1800 Swanpool, Budock	*1
5000 Pee Donaid (lead) 5 8 8 4 1 5000 Garreg (lead), Flint 5 3 8 8 4 1 4000 Garreg (lead), Flint 5 3 8 8 4 1 4000 Gellirheiron (sili-ild.), Cardigan 1 8 6 10 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 Tokenbury Consols, Liskeard £10 2 1 6000 Tolvadden, Marazion 55	6
took Great Caraton (copper)	1000 Tokenbury Consols, Liskeard \$10 2. 1 5000 Tokenbury Consols, Liskeard \$10 2. 1 1 5000 Tolvadden, Marazion 5 5 5 5000 Treburgett Crowan (Limited) 5 5 5	136 18
4000 Great Crimis (cop.), 8t. Austell 1 54 3 4 4 15000 Great Hewas United (tin) £1 17 17 18 1864 Great Onslow Con. Campilord.	2048 Trehane (silvlead), Menheniot 3 3 5000 Treloweth (copper), St. Erth 24 8 6 5 4000 Tresellyn (tin & cop.), Altarnun 1	***
1024 Gt. Sheba Con., Stoke Climsland 24% 5 5 5%	5600 Trevelyan (tin, copper)	6 8
12000 Great Sortridge, Whiteburch6s. 6d	1024 Trevoole, Crowan, Cornwall 10 103	3 1
5120 Great Wheal Baddern (tin) 23 10 6 3 3 1 6000 Gt. Wh. Busy (cop. & tin), Kenwyn 7 7	6400 Type Hend (silver-lead)	8 %
1024 Gt. Wheal Fortune, Breage£25 13 10 78½ 4½ 3000 Gwinear Consols (copper) 5	6000 Virtuous Lady and Wh. Bedford 2 1	1
8634 Gwydyr Park Consols, Llanrwst 8s. 3d	200 Waenias (lead), Denbigh 7%	223
8192 Hawkmoor (tin, eop.), Calstock 1¾ ¾ ¾ 1 100 Herward United (lead), Plint 60 55 55 5000 Holmbush (ld., eop.), Callington 4¼ 2 1¾ 2	1024 West Alfred (cop.), Phillack£33 0 \$ \$2 2000 West Crinnis & Regent United. 4% 4	30 824
5000 Huckworthy Bridge (copper)5s. 6d 1 136	6400 West Fower Consols (tip. con.). 7	636 6x
2018 Keneggy, Breage £1 4 7. — 2 6000 Keswick (lead), Portinscale £4 9 6 1 6500 Kinnerton, Salop £1 3 — 11/4	25000 West Grenville	16 %
6000 Lady Bertha (copper) [S.E.]18a.6d 3 3 1	256 West Sharp Tor (cop.), Reliaton 40 40 1056 West Stray Park, Camborne 2 5	85
4474 Lambest Consols (silver-lead) 44	256 West Sharp Tor (cop.), Reliaton 40 49 1056 West btray Park, Camborne 2 5 1024 W. Ting Tang (cop.), Gwennap 4 1 5 12 West Wheal Frances, Iliogan. 43 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 16
4006 Mainstone (lead), Salop 114 1 12000 Maria Consols (silver-lead) 1	100 11 100 11 11 11 1 1 1 1 1 1 1 1 1 1	
1024 Mill Pool (tin, cop.), St. Hilary E13 16 6 2% 2% 2%	6000 Wheal Agar (copper), Illogan £1 19 3	216
10000 Molland (ep.), South Moulton, £1 4 16 16 16 17 17 18	1024 Wheal Annie (cop.), Gwinear 2 3 12000 Wheal Bray (copper), Altarnun £1 2 3 256 Wheal Cherry 5	5
7500 Mixon Great Con. (cop.), Leek E 19 2 1 16000 Moll (lead), Limited	512 Wheal Clinton (lead)	***
2400 New Machae Slate and Slah Co. 10	1024 Wheal Constance (*ilver-lead) 4½ 4 4096 Wheal Crebor (eop.), Tavistock £4 2 ½ 5120 Wheal Cupid (copper), Redruth 3½ 3	X
8000 New Treleigh Consols, Redruth 16 14	4096 Wheal Edward, Chistock [S.E.] 5½ 7	7% 7%
1024 North Buller (cop.), Redruth £12 13 6 5% 4%	1024 Wheal Ellen (cop.), 8t. Agnes £4 2 29	214
2500 North Frances (cop.) [S.E.] 7 1111 11%	4000 Wh. Emma (eop.), Buckfastleigh % 6 1070 Wheal Enys (tin), Wendron£17 3 6 10 720 Wheal Franco, near Tavistock 20% 8	7 7%
2000 North Downs (cop.), Redruth. 5 ½ 1½ 1½ 1½ 256 North Frowey (cop.) [8,E.] 7 11 111½ 250 North Frances (cop.) [8,E.] 7 11 111½ 1366 North Grambler, Redruth 1½ 1 1 1½ 129 North Laxey (lead) 50 55 55 55 200 North Levant(tin,cop.), St. Just 6½ 3½ 3½ 3½ 3½ 312 North Penhaldarva 1½ 5 5 5	1536 Wheal Gill	· · · ×
	1536 Wheal Gill 18 4 4000 Wheal Girnn 26 19 1 1 6000 Wheal Gronville 36 15 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1% 14
1024 North Wheal Busy	1900 Wheal Hender, Crowan	60. 7r.
1024 No. Wh. Gilbert (cop.), St. Erth £1 19 2 6144 N. Wh. Robert, Sampford Spiney 24 3 3 34	6000 Wheal Lopes (copper), Devon 16s 1 4800 Wheal Ludcott	"14 H
1240 North Wheal Trelawny	1024 Wheal Margery (tin and copper) 11 4 9 5120 Wheal Marshall, St. Cleer 1 1	9%
4096 Okel Tor (lead), Calstock	3000 Wh. Maudin (cop.), Lianivery. 3 1) 3000 Wheal Morgan, Llandovery 5 10	1%
600 Old Tolgus United (cop.), Redr. 50 54 53 55 5538 Old Trewether Consols		35
535 Old Trewether Consols	4000 Wheal Russell (cop.), Tavistock£2 5 6 5 4096 Wheal Sidney, Plympton£1 18 9 15	
5000 Pencorse Consols, St. Enoder 21 14	1024 Wheal Tehidy (cop.), Illogan £2 5 25 1024 Wheal Thomas, Perran Porth 2 45 4000 Wheal Treeby (Sweep 213	
4096 Penharget and Wheal Wrew 1		
1200 Penstruthal (conner) P12 0 2 10	1024 Wheai Uny (tin, cop.), Redruth£25 17 23	5
100 Pentre Lygan		
2048 Ponterwyd (lead), Cardigan£2 16 6 1 4 5 4 5	6000 Whitchurch Consols	x x
560 Pwil-y-Wheel (lead), Mold	4096 Yarner (copper), Devon 11/2 11/2	1% 19
ni##rdnpressAndurerrenanderrenanderrenanderrenanderrenanderrenanderrenanderrenanderrenanderrenanderrenanderren	The state of the s	
Nom con Share Due done	ated with Timited Tiability.	e. Bus.des
Acadian Charcoal Iron (6l. paid)	Loughtea Slate, Tipperary (11, 8s. pd.)£16000 £ Low Furness Iron and Steel 60060 1	2 1 0 11 1/2 19
Anglo-French Porcelain 44000 20 Ballymoneen Copper 20000 2 Bangor Slate 55000 50 Bavarian Coal 20000 25	Manchester and Festiniog Slate and Slab 75000 1 Maria Anna and Steinbank Coal	0
Berehaven	Merryfield Mining	i
Brenkburne Iron and Coal 60000 20 Bristol and Forest of Dean 25000 1	Midland Mining	5
Broadmoor 1 2000 28 5 5 1/4 Broadmoor 2 2000 28 5 5 1/4 Broadmoor 2 2000 28 5 5 1/4 Broadmoor 2 2000 20 20 20 20 20 20 20 20 20 20 20	Midland Mining 5250 Millom Mining 6600 Mount Gabriel Mineral 16000 J Nant-y-Car (24. 38-4d.) paid) 12000 New foundland Mining Assoc. (is. paid) 50000	4 2% 25
Bryngias Silver-Lead		
Cambrian State 17000 20	New Machno Slate and Slab	0
Cardigan South Bog Mining. 6000 1 Castell Lead Mining 6000 1 Central Italian Copper 50000 2 Cheeseeving Granite 9600 300 Chira Clay 10600 250 Chirk Castle 16000 250 Clara Silver-Lead (22, 3s. 6d, paid) 8000 4 2½ Clew Bay 12680 10 Coed Mawr Pool 20000 5 5s. 6s. Coligeg Mines, Ireland (2s. paid) 3000 5s. 5s. 6s. Coplapo Smelting 100000 10 10 12 Cornwall Great Consolidated Lead, &c. 24000 2 Cwmdyle Copper 2000 50	Oid Park Iron Company 100000 1 Oid 4000 2 Osom's Hill 20000 Paragon and Spero Coal 20000 1	10 1%
China Clay 10000 50 Chirk Castle 16000 250	Paragon and Spero Coal. 20000 1 Park Hill	0 0
Clara Silver-Lead (2l. 3s. 6d. paid) 8000 4 2¼ Clow Bay 12690 10	Park Hill 6800 10 Patent Gold Washing 2000 10 Penelawdd Colliery 16000 5 Pen-y-Rhiew Colliery 25000 1	0
Coilege Mines, Ireland (2s. paid)	Piedmontese	1 1 1¥
Cornwall Great Consolidated Lead, &c. 24000 2 Cwmdyle Copper	Reduit Mining 600 1	X X
Cwmdyle Copper 2000 50 Dale 21000 1 Dalrhiew (2l. 10s. paid) 15000 5 Dolwen Lead 5000 1	Quartz Reduction	21 1
Dairinew 22, 10s. pana 10000 1 10000 1 10000 10000 1 1	Rotaerham and Masboro' Coal. 60000 2 Rusbon Coal Company 10000 1	5
East Indian Coal	St. Helen's Alkali 38000	1 X
Esgair Liee Mining	Observations and Observation to all money	
Exhall Coal	Strewsbury and Stropanire Coai 7000 1 Stropanire Blackwood 1000 1 Smittergill Head Lead 4000 10 South Hog Lead (54, 22, paid) 8450 26 South-West of Ireland Mining 15000 22 Staffurdhier Leon (5000 10	10 34
Great Barrier Land, Harbour, & Mining 50000 5 5 1/2		
Great Wheal Martha	Stoney Way	
Harwood	Stragdale 7000 Talargosh Mining 44000 1 Talargosh Mining 25000 Talargosh Mining 20000 Tork's Head (10s. paid) 2000 Tork's Head (10s. paid) 2000 Type Head 6100 Victoria Foundry 50000 5 Wadharst Ironstone 2000 5 Wadharst Ironstone 2000 5 5 5 5 5 5 5 5 5	5
Hennock Black Ore	Turk's Head (10s. paid)	1 5
Island of Anglesea Coal and Coke 50000 5	Wadhurst Ironstone 2000 S	5
Krautscheid 6000 100 Levant Mineral 250000 10 Lettle Down and Ebber Rocks 50000 2 2 2 2½ Liverpool and Pubheii Granite 15000 10 Liverpool and Pubheii Granite 15000 100	Victoria Foundry	1
Liangynog United Mining	Whitby Iron	0
Llwynmaices Mining 12800 1012 1234	Worthing1000001	* *** X